Desk Reference Series

AUERBACH COMPUTER CHARACTERISTICS DIGEST

NOVEMBER 1974

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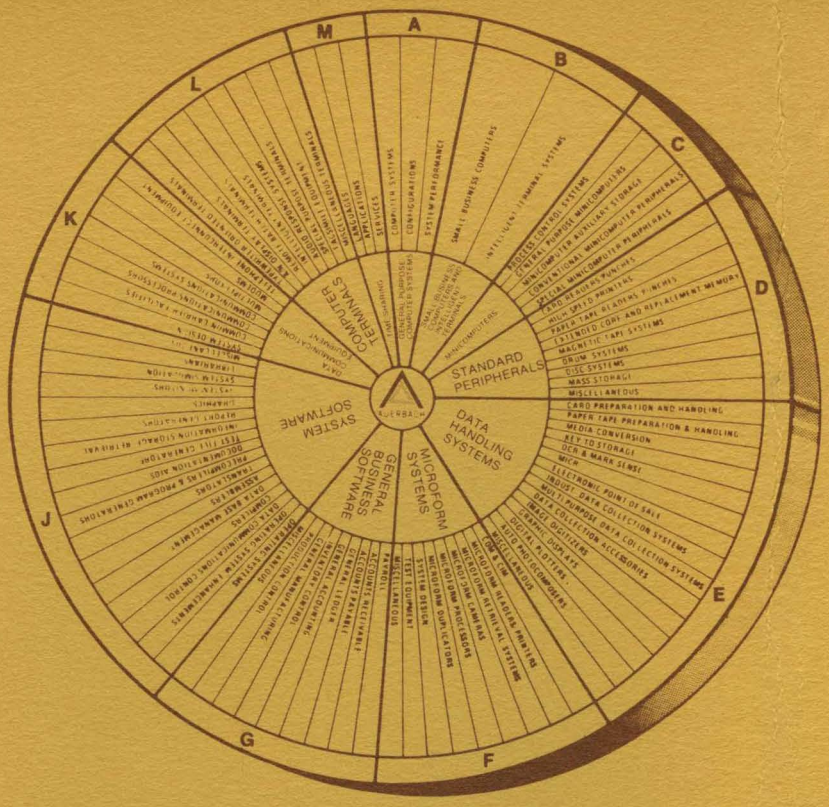
AUERBACH COMPUTER TECHNOLOGY REPORTS



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First with the last word on computers

Desk Reference Series

AUERBACH COMPUTER CHARACTERISTICS DIGEST

NOVEMBER 1974

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INTRODUCTION

AUERBACH Computer Characteristics Digest is a compact reference volume that provides the facts you need to understand digital computer systems and to make straightforward, objective comparisons of their characteristics and costs. New, revised editions of the Digest are issued twice each year to keep its contents comprehensive and up-to-date, and to keep you informed of significant new developments in the computer field.

AUERBACH Computer Characteristics Digest contains:

- Search Charts: entry-level charts designed to furnish a complete listing and the most salient characteristics pertaining to a given device type on the market today.
- Specification Charts: in-depth charts providing detailed characteristics of central processors, storage units, and, peripheral devices. Note that the alphabetical Locater Tables will guide you quickly to the placement of devices within the charts.
- Price Lists: comprehensive listings of the current rental, purchase, and maintenance prices for hardware components and available features.

WHAT THIS DIGEST CAN DO FOR YOU

The information in this volume can:

- Keep you up to date on new developments in the fast-moving computer field.
- Serve as a ready reference to answer your specific questions about computer characteristics, performance, and pricing.
- Provide clear-cut indications of the prices and overall performance of competitive computer systems in applications similar to your own or your client's.
- Help to narrow the range of choices and aid in the decision-making process whenever computer equipment must be selected.
- Aid in preparing requests for proposals and evaluating proposals from computer manufacturers.

HOW TO USE THIS DIGEST EFFECTIVELY

The information in this volume can fulfill various requirements. Most of your computer information problems, however, will probably fall within one of the following classes:

(1) Details are needed on certain characteristics or capabilities of one or more specific computer systems. How can they be found most efficiently?

(2) The required equipment configuration and price range for a computer system are known. Which computers fit into this class, what are their capabilities, which can meet these requirements, and how much will they cost?

Suggested procedures for using the information in this Digest to solve each of these problems are described in the following paragraphs.

When Details on a Specific Computer System are Needed

Turn to the Locater Table at the front of each hardware Specification Chart section. This convenient index will direct you to the page within the charts on which you will find the pertinent information. Thus the location of any device not occurring in expected order may be found quickly by referring to this table.

When the Required Configuration and Rental Range Are Known

The search chart and specification Charts for general-purpose computers group systems into three classifications by size based on the way they are marketed against competing alternatives. First, turn to the search chart to determine the classification of the system with which you are familiar. You can quickly ascertain from this self-explanatory chart which other systems are in the same category. Then for further details simply turn to the appropriate specification chart section. Finally, look in the manufacturer's price lists for detailed pricing information on the equipment and optional features available for each system.

To facilitate your references we have created a separate section for the growing army of small business computers including charts designed especially to enable you to make effective comparisons within this product classification.

PREPARATION AND RELIABILITY

AUERBACH Computer Characteristics Digest is prepared and edited by experienced computer system analysts. Most of the material in this Digest is extracted from AUERBACH Standard EDP Reports, the multivolume analytical reference service that serves as an authoritative source of information on computer equipment, software, and performance for computer users, manufacturers, and consultants.

In gathering, analyzing, and evaluating material for these publications, our staff starts with the specifications and manuals issued by the equipment manufacturers and other reliable sources. Extensive amplification and clarifications are usually obtained through visits to and correspondence with the manufacturers. Users of the equipment are also interviewed whenever practical.

Before it reaches our subscribers, material describing a specific manufacturer's equipment or services is sent to the manufacturer for pre-publication review. We invite the manufacturer's comments regarding the completeness and accuracy of the material. Where differences of

opinion exist between a manufacturer and our staff, however, the published material always reflects the opinion of our staff.

Comments and suggestions from our subscribers are always welcome because they help us to make this publication even more effective in meeting the needs of its users. We welcome notification of any errors or omissions, as well as suggestions for additions or other improvements.

LIST OF ABBREVIATIONS

In order to present the maximum amount of information in concise tabular form, certain abbreviations are used throughout AUERBACH Computer Technology Reports. These abbreviations and their meanings follow:

A

addr — address, addressing
ADP — automatic data processing
AED — automated engineering design
alphanum — alphanumeric
APL — a programming language
arith — arithmetic
ARQ — automatic request for repetition
ASR — automatic send/receive set
assoc — associative
avail — available
avg — average

B

bcd — binary-coded decimal
bin — binary
blk — block
bpi — bits per inch

C

cap — capacity
ch — channel
char — character
chk — check
CMC — communications mode control
col — column
coll — collator
comb — combination
comm — communications
comp — compatible
cond — condition
cont — controller
conv — conversion
CPU — central processing unit
CRC — cyclic redundancy check
CRT — cathode-ray tube
CTM — communications terminal module
CTMC — communications terminal module controller
ctrl — control
CTS — communications terminal synchronous

D

DCS — data communications subsystem
dec — decimal
diff — different
disp — display
DLT — data line terminal
doc — document
dvcs — devices

E

EAM — electrical accounting machine
EBCDIC — extended binary-coded decimal interchange code
EDP — electronic data processing
effect. — effective
elem — element
EOF — end of file
EOJ — end of job
ESS — electronic switching system
EOW — end of word
exp — exponent

F

FCC — Federal Communications Commission
fract — fraction
FX — foreign exchange

G

gp — general purpose

H

hr — hour

I

IAL — International Algebraic Language
in./sec — inches per second
incl — inclusive
inst — instruction
interp — interpreter
I/O — input/output
IOCS — input/output control system
IRG — interrecord gap

K

KSR — keyboard send/receive set

L

lpm — lines per minute
LSI — large-scale integration

M

mag — magnetic
max — maximum
MICR — magnetic ink character recognition
min — minimum, minute

M (Contd.)

MIS — management information system
mod — model
mplx — multiplexer
msec — millisecond
MTH — magnetic tape handler
μsec — microsecond

N

neg — negative
NDRO — nondestructive readout
no. — number
NRZ — nonreturn to zero
nsec — nanosecond
num — numeric

O

OCR — optical character reader
OEM — original equipment manufacturer
ops — operations
opt — optional
OR — operations research

P

PBX — private branch exchange
pch — punch
pos — position, positive
poss — possible
prntr — printer
proc — processor, processing
prod — production
prog — program
pt — point
punc — punctuation

R

rdr — reader
rec — recover
reg — register
reqd — required
reqs — requires

R (Contd.)

RMC — rod memory computer
RO — receive-only printer
RPG — report program generator
RZ — return to zero

S

sbmdl — submodel
SDA — source data automation
sec — second
ser — serial
simul — simultaneous
sngl — single
spkt — sprocket
sta — station
std — standard
strd — stored
sw — switch

T

typwrtr — typewriter
xfer — transfer

U

USASCOCR — United States of America Standard Character Set for Optical Character Recognition

V

var — variation
vert — vertical
vid — video
vocab — vocabulary

W

wd — word
WTS — word terminal synchronous

X

xfer — transfer

SEARCH CHART

General-Purpose Computer Systems

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	SCALE					TYPE		APPLICATIONS					MAJOR MARKETS					
		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Burroughs																			
100	63		X				X		X									X	
200	62		X				X		X		X							X	
300	65		X				X		X		X			X			X	X	
500	68		X				X		X		X			X	X	X	X	X	X
B700	73	X					X		X		X			X	X	X	X	X	X
B1700	72	X					X		X		X			X	X	X	X	X	X
2500	67		X	C			X		X		X			X	X	X	X	X	X
2700				X				X	X	X	X	X		X	X	X	X	X	X
3500	67			X			X		X		X			X	X	X	X	X	X
3700				X				X	X	X	X	X		X	X	X	X	X	X
4700	71			X	C			X	X	X	X	X		X	X	X	X	X	X
5500	63			X				X	X	X	X	X		X	X	X	X	X	X
5700	70			X	C			X	X	X	X	X		X	X	X	X	X	X
6500	69				X			X	X	X								X	
6700	70			X	C			X	X	X	X	X		X	X	X	X	X	X
7700	72				X	C		X	X	X	X	X	X	X	X	X	X	X	X
CDC																			
3100	65			X			X		X	X	X			X	X	X	X	X	X
3174	70			X			X		X	X	X			X	X	X	X	X	X
3300	66			X			X		X	X	X			X	X	X	X	X	X
3400	64			X			X		X	X	X			X	X	X	X	X	X
3500	67			X			X		X	X	X			X	X	X	X	X	X
3600	63			X			X		X	X	X			X	X	X	X	X	X
3800	66			X			X		X	X	X			X	X	X	X	X	X
6200	70				X		X		X	X	X	X		X	X	X	X	X	X
6400	66				X		X		X	X	X	X		X	X	X	X	X	X
6500	67				X	C		X	X	X	X	X		X	X	X	X	X	X
6600	65				X	C	X		X	X	X	X		X	X	X	X	X	X
6700	70				X	C		X	X	X	X	X		X	X	X	X	X	X
7600	69					X	X		X	X	X	X		X	X	X	X	X	X
Cyber 72	72			X				X	X	X	X	X		X	X	X	X	X	X
Cyber 73	72			X				X	X	X	X	X		X	X	X	X	X	X
Cyber 74	72			X	C			X	X	X	X	X		X	X	X	X	X	X
Cyber 76	72					X		X	X	X	X	X		X	X	X	X	X	X
Cyber 170 Model 172	74			X			X		X	X	X	X	X	X	X	X	X	X	X
Cyber 170 Model 173	74			X			X		X	X	X	X	X	X	X	X	X	X	X
Cyber 170 Model 174	74			X				X	X	X	X	X	X	X	X	X	X	X	X
Cyber 170 Model 175	74				X		X		X	X	X	X	X	X	X	X	X	X	X
CII																			
Iris 45	72			X			X		X	X	X	X	X	X	X				
Iris 50	71			X			X		X	X	X	X	X	X	X				
Iris 55	73			X			X		X	X	X		X	X	X				
Iris 60	72			X	C		X		X	X	X	X	X	X	X				
Iris 80	72				X		X	X	X	X	X	X	X	X	X				
10070	69			X	C		X		X	X	X	X		X	X				
Datasaab																			
D21	65		X				X		X	X			X						X
D22	68			X			X		X	X	X	X	X						X
D23	73				X		X		X	X	X	X							X
D230	74		X				X		X	X	X	X							X
D220M	71			X			X		X	X	X	X							X
D220S	71		X				X		X	X	X	X							X
DEC																			
Datasystem 300		X					X		X	X	X	X		X	X		X		
Datasystem 500		X					X		X	X	X	X		X	X		X		
DECsystem 1040	71			X			X		X	X	X	X	X	X	X	X	X	X	X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	SCALE					TYPE		APPLICATIONS					MAJOR MARKETS					
		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
DECsystem 1050	71			X			X		X	X	X	X	X	X	X	X	X	X	X
DECsystem 1055	71			X				X	X	X	X	X	X	X	X	X	X	X	X
DECsystem 1060	72			X			X		X	X	X	X	X	X	X	X	X	X	X
DECsystem 1070	72			X	C		X		X	X	X	X	X	X	X	X	X	X	X
DECsystem 1077	72			X	C			X	X	X	X	X	X	X	X	X	X	X	X
Fujitsu																			
Facom 230-10	65		X				X		X	X									X
Facom 230-15	70		X				X		X	X	X								X
Facom 230-20	66			X			X		X	X									X
Facom 230-25	69			X			X		X	X	X								X
Facom 230-30	65			X			X		X	X									X
Facom 230-35	69			X			X		X	X	X								X
Facom 230-45S	71			X			X	X	X	X	X	X							X
Facom 230-50	66				X		X	X	X	X									X
Facom 230-55	70				X		X	X	X	X									X
Facom 230-60	68				X		X	X	X	X	X	X							X
Facom 230-75	70					X	X		X	X	X	X							X
Facom 270-10	66		X							X			X						X
Facom 270-20	66		X							X			X						X
Facom 270-25	70			X						X			X						X
Facom 270-30	68			X						X			X						X
Greyhound Phoenix				X			X		X	X	X							X	
Hitachi Hitac																			
8150	72								X	X									X
Hitac 8210	68		X						X	X									X
Hitac 8250				X			X		X	X	X	X							X
Hitac 8300	67			X					X	X									X
Hitac 8350	71			X			X	X	X	X	X	X							X
Hitac 8400	67			X					X	X									X
Hitac 8450	71			X			X	X	X	X	X	X							X
Hitac 8500	67								X	X									X
Hitac 8700	71				X		X	X	X	X	X	X							X
Hitac 9000			X				X		X		X								X
Honeywell																			
G105	69		X				X		X		X			X	X	X	X	X	X
G115	66		X				X		X		X			X	X	X	X	X	X
G120	69		X				X		X		X			X	X	X	X	X	X
G130	68		X				X		X		X			X	X	X	X	X	X
G405	68		X				X		X		X			X	X	X	X	X	X
G415	68			X			X		X	X	X	X		X	X	X	X	X	X
G425	68			X			X		X	X	X	X		X	X	X	X	X	X
G435	70			X			X		X	X	X	X		X	X	X	X	X	X
G615	69			X			X		X	X	X	X		X	X	X	X	X	X
G635	64			X			X		X	X	X	X		X	X	X	X	X	X
G655	69			X			X		X	X	X	X		X	X	X	X	X	X
5	71		X				X		X	X	X							X	
10	71		X				X		X	X	X							X	
15	71		X				X		X	X	X							X	
105	68		X				X		X		X							X	
110	70		X				X		X		X			X	X	X	X	X	X
115	71		X				X		X		X			X	X	X	X	X	X
115-2	66		X				X		X		X			X	X	X	X	X	X
120	66		X				X		X		X			X	X	X	X	X	X
125	68		X				X		X		X			X	X	X	X	X	X
200	65		X				X		X	X	X			X	X	X	X	X	X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	SCALE					TYPE		APPLICATIONS					MAJOR MARKETS					
		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
1015	71		X	C			X		X	X	X			X	X	X	X	X	X
1200	66			X			X		X	X	X			X	X	X	X	X	X
2015	71			X			X		X	X	X			X	X	X	X	X	X
2020																	X		
2030														X	X	X	X	X	X
2030A																	X	X	
2040	72			X			X		X	X	X			X	X	X	X	X	X
2040A																	X	X	
2050	72			X			X		X	X	X			X	X	X	X	X	X
2050A											X								
2060	72			X			X		X	X	X			X	X	X	X	X	X
2070	72			X			X		X	X	X			X	X	X	X	X	X
2088	72			X				X	X	X	X			X	X	X	X	X	X
2200	65			X			X		X	X	X			X	X	X	X	X	X
3200	70			X			X		X	X	X	X		X	X	X	X	X	X
4200	68			X			X		X	X	X			X	X	X	X	X	X
6025				X	C			X	X		X							X	X
6030	71			X	C			X		X	X	X		X	X	X	X	X	X
6040	72			X	C			X	X		X	X		X	X	X	X	X	X
6050	71				X			X		X	X	X		X	X	X	X	X	X
6060	72				X			X	X		X	X		X	X	X	X	X	X
6070	71				X			X		X	X	X		X	X	X	X	X	X
6080	72				X			X	X		X	X		X	X	X	X	X	X
6180					X														
8200	69				X		X		X	X	X			X	X	X	X	X	X
61/58	75		X												X				
61/60	75		X												X				
62/40	75	X	X									X				X			
62/60	75	X									X						X		
64/20	75			X								X			X			X	
64/40	75			X															
66/20	75			X								X						X	
66/40	75			X														X	
66/60	75			X														X	
66/80	75			X														X	
68/80	75				X							X						X	
IBM																			
3 Model 6	71	X					X		X	X	X	X		X	X	X	X	X	X
Model 10	69	X					X		X	X	X	X		X	X	X	X	X	X
Model 15	74	X					X		X		X			X	X	X	X	X	X
360/20	65	X					X		X		X			X	X	X	X	X	X
360/22	71		X				X		X	X	X			X	X	X	X	X	X
360/25	69		X				X		X	X	X			X	X	X	X	X	X
360/30	65			X			X		X	X	X			X	X	X	X	X	X
360/40	65			X			X		X	X	X	X		X	X	X	X	X	X
360/44	66			X			X			X	X			X	X	X	X	X	X
360/50	65			X			X		X	X	X	X		X	X	X	X	X	X
360/65	66				X		X		X	X	X	X		X	X	X	X	X	X
360/67	66				X		X		X	X	X	X		X	X	X	X	X	X
360/75	65				X		X		X	X	X	X		X	X	X	X	X	X
360/195	71					X	X		X	X	X	X		X	X	X	X	X	X
370/115	74	X	X				X		X		X			X	X	X	X	X	X
370/125	73			X			X		X	X	X	X		X	X	X	X	X	X
370/135	72			X			X		X	X	X	X		X	X	X	X	X	X
370/145	71			X			X		X	X	X	X		X	X	X	X	X	X
370/155	71			X	C		X		X	X	X	X		X	X	X	X	X	X
370/155II/158				X			X	X	X	X	X	X		X	X	X	X	X	X
370/165	71				X		X		X	X	X	X		X	X	X	X	X	X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	SCALE					TYPE		APPLICATIONS					MAJOR MARKETS					
		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
370/165II/168					X		X	X	X	X	X	X		X	X	X	X	X	X
370/195	73					X	X		X	X	X	X		X	X	X	X	X	X
1401														X	X	X	X	X	X
1440	68		X				X		X	X	X			X	X	X	X	X	X
1460	63		X				X		X	X	X			X	X	X	X	X	X
1620-1	60		X				X			X				X	X	X	X	X	X
1620-2	60		X				X			X				X	X	X	X	X	X
7040			X	C			X		X	X	X			X	X	X	X	X	X
7044			X	C			X		X	X	X			X	X	X	X	X	X
ICL																			
1100	59		X				X		X	X							X		
1300	63		X				X		X								X		
1301	62		X				X		X								X		
1500	61		X				X		X	X				X	X		X		X
1600	64			X			X		X	X	X			X	X		X		X
1901	66	X	C				X		X	X				X	X		X		X
1901A	68	X	X				X		X	X	X			X	X		X		X
1901M	73	X	X				X		X	X				X	X				X
1901S	72	X	X	C			X		X	X	X			X	X				X
1901T	74	X	X	C			X		X	X	X	X		X	X		X		X
1902	65	X	X				X		X	X				X	X		X		X
1902A	68	X	X				X		X	X	X	X		X	X		X		X
1902M	73	X	X				X		X	X				X	X				X
1902S	72		X	C			X		X	X	X	X		X	X		X		X
1902T	74			X			X		X	X	X	X		X	X		X		X
1903	65	X	X				X		X	X				X	X		X		X
1903A	68			X			X		X	X	X	X		X	X		X		X
1903M	73	X	X				X		X	X				X	X				X
1903S	72			X			X		X	X	X	X		X	X		X		X
1903T	73			X	C		X		X	X	X	X		X	X		X		X
1904	65			X			X		X					X	X		X		X
1904A	70			X	C				X	X	X	X		X	X		X		X
1904E	67			X			X		X		X			X	X		X		X
1904F	68			X			X		X		X			X	X		X		X
1904M	73	X	X				X		X	X				X	X				X
1904S	72			X	C				X	X	X	X		X	X		X		X
1905	65			X			X		X	X	X	X		X	X		X		X
1905E	67			X			X		X	X	X	X		X	X		X		X
1905F	68			X			X		X	X	X	X		X	X		X		X
1905M	73	X	X				X		X	X				X	X				X
1906	66			X			X		X		X			X	X		X		X
1906A	70				X		X		X	X	X	X		X	X		X		X
1906E	68			X	C			X	X		X			X	X		X		X
1906F	69			X	C			X	X		X			X	X		X		X
1906M	73	X	X				X		X	X				X	X				X
1906S					X		X		X	X	X	X		X	X		X		X
1907	66			X			X		X	X	X	X		X	X		X		X
1907E	68			X	C			X	X	X	X	X		X	X		X		X
1907F	69			X	C			X	X	X	X	X		X	X		X		X
1907M	73	X	X				X		X	X				X	X				X
1908M	73	X	X				X		X	X				X	X				X
1909M	73	X	X				X		X	X				X	X				X
1910M	73	X	X				X		X	X				X	X				X
2903	74	X	X				X		X	X	X			X	X		X		X
4120 (formerly Elliott)	66			X			X		X	X			X	X	X	X	X		X
4130 (formerly Elliott)	68			X			X		X	X	X		X	X	X	X	X		X
KDF 6	64		X				X		X								X		
KDF 8	65			X			X		X								X		

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		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
KDF 9	64			X						X	X	X					X		
KDF 10	62			X			X		X								X		
LEO III	62			X			X		X	X							X		
LEO 326	64			X			X		X	X							X		X
LEO 360	64			X			X		X	X							X		X
System 4-30	67		X				X		X								X		X
System 4-40	69			X			X		X	X							X		
System 4-50	67			X			X		X	X	X	X					X		
System 4-52	72			X			X		X	X	X	X					X		
System 4-62	71			X			X		X	X	X	X							X
System 4-70	68			X	C		X		X	X	X	X					X		
System 4-72	71				X		X		X	X	X	X					X		
System 4-75	68			X	C		X		X	X	X	X					X		
System 4-77	NA				X		X		X	X	X	X					X		
Memorex																			
MRX 40	NA		X				X		X	X	X			X	X	X	X	X	X
MRX 50	NA			X			X		X	X	X			X	X	X	X	X	X
Mitsubishi																			
Melcom 80-88	72		X				X		X	X	X								X
Melcom 1530	64		X				X		X	X									X
Melcom 1600	66		X					X	X	X	X	X							X
Melcom 3100-10.30	66		X				X		X	X									X
Melcom 3100-20.40	69			X			X		X	X	X	X							X
Melcom 7500	70			X			X	X	X	X	X	X							X
Melcom 7700	70			X			X	X	X	X	X	X							X
Melcom 9100-5			X				X	X		X	X	X							X
Melcom 9100-5F			X				X	X		X	X	X							X
Melcom 9100-30	68			X			X	X		X	X								X
Melcom 9100-30F				X			X	X		X	X	X							X
NCR																			
Century 50	71	X					X		X	X	X	X							
Century 75	73	X	X				X		X		X			X	X	X	X		X
Century 100	68	X					X		X		X			X	X	X	X	X	X
Century 101		X		C			X		X	X	X							X	
Century 150	73		X	C			X		X	X	X			X	X	X	X	X	X
Century 150-656	73	X	X				X		X		X						X		X
Century 151				X															
Century 200	68			X			X		X	X	X			X	X	X	X	X	X
Century 201				X															
Century 251				X			X		X	X	X			X	X	X	X	X	X
Century 300	72			X			X		X	X	X			X	X	X	X	X	X
315	61		X				X		X	X	X			X	X	X	X	X	X
315-100	63		X				X		X	X	X			X	X	X	X	X	X
315 RMC	64		X				X		X	X	X			X	X	X	X	X	X
Century 350				X				X	X	X	X								X
500	65	X	C				X		X					X	X	X	X	X	X
Nihon Denki Neac																			
2200-50	67		X				X		X	X									X
2200-75	71		X				X	X	X	X	X	X							X
2200-100	66		X				X		X	X									X
2200-150	69			X			X		X	X									X
2200-175	71			X			X	X	X	X	X	X							X
2200-200	64			X			X		X	X									X
2200-250	69			X			X		X	X									X
2200-275	71			X			X	X	X	X	X	X							X
2200-300	67			X			X		X	X									X
2200-375	71					X	X	X	X	X	X	X							X
2200-400	66			X			X		X	X									X

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		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
2200-500	66			X			X		X	X									X
2200-575	71					X	X	X	X	X	X	X							X
2200-700	70				X		X		X	X									X
3100	67		X				X			X			X						X
3200	69		X				X			X	X		X						X
Nixdorf System																			
880/65	71	X	C				X		X		X			X	X	X	X		X
900	71			X				X	X		X			X	X	X	X		X
Oki Denki Ouk																			
6000		X					X		X		X	X							X
9200	67		X				X		X	X	X								X
9200II	70		X				X		X	X	X								X
9250	71		X				X		X	X	X								X
9300	67		X				X		X	X	X								X
9300II	70		X				X		X	X	X								X
9350	71			X			X		X	X	X								X
9400	68			X			X		X	X	X								X
9400II	71			X			X		X	X	X								X
9700	71				X		X		X	X	X								X
9700II	71				X		X		X	X	X								X
Philips																			
P1075	70	X	X				X		X					X	X	X			X
P1100	68	X	X				X		X	X				X	X	X			X
P1175	72			X			X		X	X				X	X	X			X
P1200	70			X			X		X	X	X	X		X	X	X			X
P1400	71			X			X		X	X	X	X		X	X	X			X
Siemens																			
404/3	71		X				X		X	X			X	X	X	X			X
3003	63			X			X		X	X				X					
4004/15	66		X				X		X		C			X	X	X			X
4004/16	68	X	C				X		X		C			X	X	X			X
4004/25	66		X				X		X		C			X	X	X			X
4004/26	68	X	C				X		X		C			X	X	X			X
4004/35	67		X				X		X	X	X			X	X	X			X
4004/45	66			X			X		X	X	X		X	X	X	X			X
4004/46	69			X			X		X	X	X	X		X	X	X			X
4004/55	66			X			X		X	X	X			X	X	X			X
4004/60	70			X			X		X	X	X			X	X	X			X
4004/127	73			X			X		X	X	X			X	X	X			X
4004/135	71			X			X		X	X	X		X	X	X	X			X
4004/150	71			X	C		X		X	X	X		X	X	X	X			X
4004/151	72			X	C		X		X	X	X	X		X	X	X			X
4004/220	74	X	X				X		X	X	X			X	X	X			X
4004/230	74			X			X		X	X	X	X		X	X	X			X
Singer System Ten	70	X	X	C			X		X		X			X	X	X	X	X	X
Telefunken																			
TR 4	65			X			X		X	X				X					
TR 440/200	73			X			X		X	X	X	X		X	X				
TR 440/400	70			X	C		X	X	X	X	X	X		X	X				
TR 440/500	74				X		X	X	X	X	X	X		X	X				
Toshiba Tosbac																			
3000	70		X				X			X			X						X
3300	70		X				X			X			X						X
3400-21	68		X				X		X	X	X	X							X
3400-31	68		X				X		X	X	X	X							X
3400-41	68			X			X		X	X	X	X							X
3400-51	70			X			X		X	X	X	X							X
5100-20	66		X				X		X	X	X								X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	SCALE					TYPE		APPLICATIONS					MAJOR MARKETS					
		Small Business	Small	Medium	Large	Extra Large	Single CPU	Multiprocessor	Business	Scientific	Teleprocessing	Time Sharing	Process Control	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
5100-30	69			X			X		X	X	X								X
5400-10	65		X				X		X	X	X	X							X
5400-20	65			X			X		X	X	X	X							X
5400-30	66			X			X		X	X	X	X							X
5400-150	71			X			X		X	X	X	X							X
5600-130	70				X			X	X	X	X	X							X
5600-140	70				X			X	X	X	X	X							X
5600-170	70				X			X	X	X	X	X							X
5600-180	70				X			X	X	X	X	X							X
7000	70			X			X			X			X						X
Unidata 7.720	75	X	X				X		X	X	X	X		X	X	X			X
Univac																			
490	61			X			X		X		X			X	X	X	X	X	X
491	65			X			X		X		X			X	X	X	X	X	X
492	65			X			X		X		X			X	X	X	X	X	X
494	66			X			X		X	X	X			X	X	X	X	X	X
1106	69			X				X	X	X	X	X		X	X	X	X	X	X
1107	62			X	C		X		X	X	X	X		X	X	X	X	X	X
1108	65			X	C			X	X	X	X	X		X	X	X	X	X	X
1110	71					X		X	X	X	X	X		X	X	X	X	X	X
Series 6000	64			X						X								X	X
6130/35	66			X						X								X	X
6140/45	73			X						X								X	X
9200	66	X					X		X		X			X	X	X	X	X	X
9200 II		X					X		X		X			X	X	X	X	X	X
9300	66		X				X		X		X			X	X	X	X	X	X
9300 II			X				X		X		X			X	X	X	X	X	X
9380	72			X			X		X		X			X	X	X	X	X	X
9480	73			X			X		X		X			X	X	X	X	X	X
9700	72			X			X		X	X	X			X	X	X	X	X	X
Series 70/2	71			X			X		X	X	X							X	
Series 70/3	71			X			X		X	X	X	X						X	
Series 70/6	71			X	C		X		X	X	X							X	
Series 70/7	71			X	C		X		X	X	X	X						X	
Series 70/15	65		X				X											X	
Series 70/25	67		X				X											X	
Series 70/35	67			X			X											X	
Series 70/45	67			X			X											X	
Series 70/46	68			X			X											X	
Series 70/55	67			X	C		X		X	X	X							X	
Series 70/60	70			X	C		X		X	X	X							X	
Series 70/61	70			X	C		X		X	X	X	X						X	
Series 90/60	74			X			X		X	X	X			X	X	X	X	X	X
Series 90/70	73			X			X		X	X	X			X	X	X	X	X	X
Xerox																			
Sigma 5	67		X					X	X	X	X	X		X	X	X	X	X	X
Sigma 6	70			X				X	X	X	X	X		X	X	X	X	X	X
Sigma 7	66			X				X	X	X	X	X					X		X
Sigma 8	71			X	C			X	X	X	X	X		X	X	X	X	X	X
Sigma 9	71			X	C			X	X	X	X	X		X	X	X	X	X	X
Model 550				X			X		X	X	X	X	X	X	X	X	X	X	X
Model 560				X			X		X	X	X	X	X	X	X	X	X	X	X

Note:
C – Conditional

Specification Charts for General-Purpose Computers

The computer hardware characteristics specification charts list the important characteristics of the central processor and storage units for over 125 digital computer systems. The systems are arranged in six sections:

- Small (U.S.).
- Small (European).
- Medium (U.S.).
- Medium (European).
- Large and Extra Large (U.S.).
- Large and Extra Large (European).

The charts in each section may not be in strict alphabetical order since new systems are frequently added at the end and may also be added in the middle as an older system is dropped from the market (leaving a chart column empty). Use the locater table preceding all multipage sections in order to find the correct page for the system you are seeking.

The assignment of a system to one of the three basic size categories reflects the characteristics, pricing, and marketing of the most common "basic" configurations; thus a medium-sized system could conceivably be stripped down to a small system or be expanded to a large system but would only be found in the charts for the medium-sized computers.

The charts on the following pages deal specifically with the data structure, central processor, and working (main) storage unit for each computer system. Explanations of the entries on these charts follow.

DATA STRUCTURE

Word Length. Size of each computer word, expressed in terms of the number of binary digits and/or decimal digits, and alphanumeric characters it can accommodate. (For variable word length computers, the number of bits, digits, and characters comprising each byte or position is indicated.)

Floating-Point Representation. Radix (binary or decimal) and the number of bits or digits used to represent both the fractional part and the exponent (or mantissa) of a floating-point number. (Blanks indicate that there is no standard mode for representing floating-point numbers.)

CENTRAL PROCESSOR

Model Number. Manufacturer's identifying number for a processor.

Arithmetic Radix. Number system (usually binary or decimal) employed for arithmetic computations.

Operand Length. Number of words that comprise each fixed-point arithmetic operand, expressed in terms of the word length specified under DATA STRUCTURE.

Instruction Length. Number of words comprising each instruction.

Address per Instruction. Number of operand locations or other addresses specified in each instruction.

Likely Fixed-Point Execution Times. Number of microseconds normally required to perform addition ($c = a + b$), multiplication ($c = ab$), and division ($c = a/b$) tasks upon fixed-point operands at least five decimal digits (or an equivalent number of bits) in length. All listed execution times include the time required to access both operands from working storage and store the result in working storage. This ensures valid comparisons between computers with one-, two-, and three-address instruction formats. It is assumed that addresses are not indexed.

Checking of Data Transfers. Type of checking, if any, that is performed to help ensure the accuracy of data transferred to or from the central processor.

Program Interrupt Facility. Availability of a hardware facility that can be used to initiate the execution of a new sequence of instructions upon the occurrence of a specific signal or condition, such as completion of an I/O operation.

Number of Index Registers. Number of special registers, if any, whose contents can be added to the address portion of an instruction prior to or during its execution. Indexing and indirect addressing (next entry) are the principal techniques used for address modification, which can greatly simplify programming.

Indirect Addressing. Availability and number of levels of indirect addressing. An indirect address is an address that specifies a storage location containing either a direct address (i.e., the address of an operand) or another indirect address.

Special Editing Capabilities. Specialized processing facilities, such as an Edit instruction, which facilitate the coding of operations that modify the format of data fields. Answers range from "None," for computers with no special editing facilities, to "Excellent," for computers that can handle character insertions, zero suppression, and floating dollar signs by means of a single instruction.

Boolean Operations. Availability of instructions to perform any or all of the following Boolean or logical operations upon single bits: AND, INClusive OR, EXClusive OR.

Table Lookup. Availability of specialized instructions to facilitate the coding of procedures that use a known value to locate an associated unknown value in a table.

Console Typewriter. Availability (standard or optional) of an on-line typewriter for communications between the console operator and the computer system.

Input/Output Channels. Number and type of channels available to transmit data between the computer and its peripheral equipment. In most cases a given channel can transmit data to or from only one peripheral device at a time. Some computers, however, have multiplexor channels, each of which can service a number of simultaneously operating devices.

Features and Comments. Noteworthy additional features or facilities, compatibility relationships, or amplification of one or more of the preceding entries.

WORKING STORAGE

Model Number. Manufacturer's identifying number.

Type of Storage. Storage medium used in this unit; usually ferrite cores, but occasionally thin-film or magnetic drum.

Number of Words. Minimum and maximum working storage capacity, expressed in terms of the word length specified under DATA STRUCTURE.

Maximum Total Storage. Maximum working storage capacity, expressed in terms of both decimal digits and alphanumeric characters.

Cycle Time. Minimum time interval, in microseconds, between the starts of two successive accesses to a particular storage location.

Effective Transfer Rate. The average rate, expressed in alphanumeric characters per second, at which large blocks of data can be transferred from one area of working storage to another.

Checking. Type of checking, if any, that is performed to help ensure the accuracy of data transferred to or from working storage.

Storage Protection. Facilities for prevention, under program control, of unauthorized writing in and/or reading from specified areas of working storage.

Features and Comments. Noteworthy additional features or facilities.

SPECIFICATION CHARTS

Small General-Purpose Computers

DATA STRUCTURE	SYSTEM IDENTITY		Burroughs B 100/200 Series	Burroughs B 200/300 Series	Burroughs B 500	HIS 130	HIS Series 200 Model 115-2
	Word Length	Binary Bits	6 + parity	6 + parity	6 + parity	8 + parity/octet	6 + parity
		Dec Digits	1	1	1	1 or 2/octet	1
		Char	1	1	1	1/octet	1
	Floating Point Form	Radix	—	—	—	—	NA
		Fract Size	—	—	—	—	NA
		Exp Size	—	—	—	—	NA
CENTRAL PROCESSOR	Model Number		B 160/B 170/B 180/ B 250/B 251/B 260/ B 270/B 280	B 263/B 273/B 275/ B 283/B 300	B 0506	HIS 130	117
	Arith Radix		Decimal	Decimal	Decimal	Decimal or binary	Decimal or binary
	Operand Length, wds		1 to 12 char	1 to 12 char	1 to 132 char	1 to 16 octets	1 to N char
	Inst Length, wds		12 char	12 char	12 char	2, 4, or 6 octets	1 to 10
	Addresses per Instruction		3	3	3	0, 1, or 2	2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	690	414	414	62	135
		c=ab	6,270	3,762	3,762	550	552.4
		c=a/b	14,630	8,802	8,802	864	327.4
	Floating Pt Execute Time, μsec	c=a+b	—	—	—	—	—
		c=ab	—	—	—	—	—
		c=a/b	—	—	—	—	—
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		None	None	None	1 level	Yes
	No. Index Reg		None	None	None	8	6
	Indirect Addressing		None	None	None	None	Yes
	Special Editing		Good	Good	Good	Good	Yes
	Boolean Ops		None	None	None	AND, INC OR, EXC OR	AND, EXC OR
	Table Look-up		None	None	None	Search instructions	No
	Console Typewriter		None	Optional	Optional	None	Yes
	I/O Channels		1 integrated nonsimultaneous channel	1 integrated nonsimultaneous channel	1 integrated nonsimultaneous channel	3 channels, 4 device connectors; their assignments controlled by program	3 or 4*
	Features & Comments		Most I/O units are buffered	Most I/O units are buffered	Most I/O units are buffered	Logical operands up to 256 octets; program-compatible with GE-115	Disc system with mixed tape-disc option; can be upgraded from 115 and 120
WORKING STORAGE	Model Number		B 160/B 170/B 180/ B 250/B 251/B 260/ B 270/B 280	B 263/B 273/B 275/ B 283/B 300	B 0506	HIS 130	117
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	4,800	4,800	9,600	16,384 octets	32,768
		Max	4,800	19,200	19,200	32,768 octets	65,536
	Max Total Storage	Dec Digits	4,800	19,200	28,800	65,536	65,536
		Char	4,800	19,200	19,200	32,768	65,536
	Cycle Time, μsec		10	6	6	2.0	2.25
	Effect. Xfer Rate, char/sec		48,000	80,000	80,000	250,000	500,000/668,000*
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		None	None	None	None	None
	Features & Comments			B 300 uses optional Data Compress instruction to pack decimal digits to max of 28,800	Core storage increased using B 0002 memory expansion; uses Data Compress instruction to pack decimal digits		115 to 115/2 upgrade in field requires processor exchange; 8 peripheral address assignments; Mod 1 (Mass Storage Resident) operating

* With optional equipment NA — Not Available (s) — Subroutine

DATA STRUCTURE	**SYSTEM IDENTITY**		HIS Series 200 Model 120	HIS Series 200 Model 125	HIS Series 200 Model 200	IBM System/360 Model 20	
	Word Length	Binary Bits	6 + parity + 2 punc	6 + parity + 2 punc	6 + parity + 2 punc	8/byte	
		Dec Digits	1	1	1	2/byte	
		Char	1	1	1	1/byte	
	Floating Point Form	Radix	—	—	—	—	
		Fract Size	—	—	—	—	
		Exp Size	—	—	—	—	
CENTRAL PROCESSOR	**Model Number**		121	126	201-2	2020 Submodels 1 & 2/ 3 & 4	2020 Submodel 5
	Arith Radix		Decimal or binary	Decimal or binary	Decimal or binary	Decimal	Decimal
	Operand Length, wds		1 to N char	1 to N char	1 to N char	Variable	Variable
	Inst Length, wds		1 to 10	1 to 10	1 to 12	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		2	2	2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	123	103	84	675/1,207	212
		c=ab	3,100 (s)	2,580	480	7,000/7,530	1,669
		c=a/b	3,700 (s)	3,090	1,148	10,810/11,340	2,072
	Floating Pt Execute Time, μsec	c=a+b	—	—	—	—	—
		c=ab	—	—	—	—	—
		c=a/b	—	—	—	—	—
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		I/O only	I/O only	I/O only	I/O only	I/O only
	No. Index Reg		6*	6*	6* or 15*	8 max	8
	Indirect Addressing		Optional	Optional	Optional	None	None
	Special Editing		Poor; excellent*	Poor; excellent*	Poor; excellent*	Good	Good
	Boolean Ops		AND, EXC OR	AND, EXC OR	AND, EXC OR	AND, INC OR	AND, INC OR
	Table Look-up		None	None	None	None	None
	Console Typewriter		Yes	Yes	Yes	Opt, Submodels 2 & 4	Optional
	I/O Channels		2 or 3*	2, 3, or 4*	3 or 4*	Integrated channels; I/O operations are under processor control	Integrated channels; I/O operations are under processor control
	Features & Comments		120 processor includes built-in I/O control	Use of 4 simultaneous I/O channels	IBM 1401 compatible through software	Limited program compatibility with other System/360 models	Limited program compatibility with older System/360 models
WORKING STORAGE	**Model Number**		121	126	201-2	2020 Submodels 1 & 2/ 3 & 4	2020 Submodel 5
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	2,048	4,096	4,096	4,096 bytes	8,192 bytes
		Max	32,768	32,768	65,536	16,384 bytes	32,768 bytes
	Max Total Storage	Dec Digits	32,768	32,768	65,536	32,768	65,536
		Char	32,768	32,768	65,536	16,384	32,768
	Cycle Time, μsec		3.0 per char	2.5 per char	2.0 per char	3.6 per byte	2.0 per 2 bytes
	Effect. Xfer Rate, char/sec		167,000	167,000	250,000	62,500 max	237,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		None	None	None	None	None
	Features & Comments		48-char control memory	48-char control memory	48-char control memory has 0.5-μsec cycle	Halfbyte data flow	Halfword data flow

* With optional equipment NA — Not Available (s) — Subroutine

DATA STRUCTURE	**SYSTEM IDENTITY**		IBM System/360 Model 22	IBM System/360 Model 25	IBM 1401	IBM 1440	IBM 1460
	Word Length	Binary Bits	8 + parity/byte	8/byte	6+ parity + word mark	6 + parity + word mark	6 + parity + word mark
		Dec Digits	2/byte	2/byte	1	1	1
		Char	1/byte	1/byte	1	1	1
	Floating Point Form	Radix	Binary*	Binary	Decimal	Decimal	Decimal
		Fract Size	24 or 56 bits	24 or 56 bits	8 digits (s)	8 digits (s)	8 digits (s)
		Exp Size	7 bits	7 bits	2 digits (s)	2 digits (s)	2 digits (s)
CENTRAL PROCESSOR	**Model Number**		2022	2025	1401	1441A	1441B
	Arith Radix		Decimal or binary	Decimal or binary	Decimal	Decimal	Decimal
	Operand Length, wds		Variable	Variable	1 to N char	1 to N char	1 to N char
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes	1 to 8 char	1 to 8 char	1 to 8 char
	Addresses per Instruction		0, 1, or 2	0, 1, or 2	2	2	2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	71; 112*	113; 182	437	422	228
		c=ab	289; 1,517*	616; 642	21,216 (s); 2,280*	20,500 (s); 2,200*	11,100 (s); 1,190*
		c=a/b	481; 3,545*	805; 1,332	27,730 (s); 2,784*	26,800 (s); 2,690*	14,500 (s); 1,450*
	Floating Pt Execute Time, μsec	c=a+b	104* or 145*	303* or 369*	8,800 (s)	8,500 (s)	4,600 (s)
		c=ab	266* or 548*	730* or 1,154*	8,600 (s)	8,300 (s)	4,500 (s)
		c=a/b	353* or 1,741*	664* or 1,839*	12,700 (s)	12,250 (s)	6,600 (s)
	Data Xfer Checks		Parity	Parity	Parity, char validity	Parity, char validity	Parity, char validity
	Prog Interrupts		5 classes	5 classes	None	Only for 1448 Transmission Control Unit	Only for 1448 Transmission Control Unit
	No. Index Reg		15 max	15 max	3*	3*	3*
	Indirect Addressing		None	None	None	None	None
	Special Editing		Good	Good	Good; excellent*	Good; excellent*	Good; excellent*
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	None	None	None
	Table Look-up		None	None	None	None	None
	Console Typewriter		Optional	Yes	Optional	Optional	Optional
	I/O Channels		Standard multiplexor and selector channels; no additions or substitutions	1 selector channel or 1 multiplexor channel	1 integrated nonsimultaneous channel; buffered printing*	1 integrated nonsimultaneous channel; buffered printing*	1 nonsimultaneous channel; Processing Overlap; buffered printing*
	Features & Comments		Standard decimal arithmetic; lowest cost full-fledged System/360 member	High degree of program compatibility within System/360	Processing Overlap* feature permits 1 I/O operation while computing		Program compatible with IBM 1401
WORKING STORAGE	**Model Number**		2022	2025	1401/1406	1441A	1441B
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	24,576 bytes	16,384 bytes	1,400	2,000	8,000
		Max	32,768 bytes	49,152 bytes	16,000	16,000	16,000
	Max Total Storage	Dec Digits	65,536	98,304	16,000	16,000	16,000
		Char	32,768	49,152	16,000	16,000	16,000
	Cycle Time, μsec		1.5 per 1 byte	1.8 per 2 bytes	11.5 (19.3 in Model H)	11.1	6.0
	Effect. Xfer Rate, char/sec		NA	185,000 max	43,500	45,000	83,300
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Optional	Write only*	None	None	None
	Features & Comments		Maximum selector channel data rate doesn't allow use of 2314 discs or high-speed tapes; max rate is 170 kb/sec	Certain I/O units can be connected without their usual control units or channels			

* With optional equipment NA — Not Available (s) — Subroutine

DATA STRUCTURE	SYSTEM IDENTITY		IBM 1620		NCR Century 50	NCR 500	Univac Series 70 Model 15
	Word Length	Binary Bits	4 + parity + flag		8 + parity/byte	—	8/byte
		Dec Digits	1		1 or 2/byte	12	2/byte
		Char	0.5		1/byte	6	1/byte
	Floating Point Form	Radix	Decimal		—	—	—
		Fract Size	2 to 100 digits		—	—	—
		Exp Size	2 digits		—	—	—
CENTRAL PROCESSOR	Model Number		Model 1	Model 2	615-50	517-1	70/15
	Arith Radix		Decimal	Decimal	Decimal or binary	Decimal	Decimal or binary
	Operand Length, wds		2 to N digits	2 to N digits	1 to 256 bytes	1	Variable
	Inst Length, wds		12 digits	12 digits	4 or 8 bytes	1	4 or 6 bytes
	Addresses per Instruction		2	2	1 or 2	4	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	920	280	82.4 (dec or bin)	11,290	62
		c=ab	5,320	1,350	3,780 (s)	32,300	(s)
		c=a/b	66,900 (s); 17,700*	3,628	9,930 (s)	160,057	(s)
	Floating Pt Execute Time, μsec	c=a+b	28,500 (s); 1,760*	541*	—	—	—
		c=ab	36,000 (s); 13,100*	3295*	—	—	—
		c=a/b	88,700 (s); 41,700*	8960*	—	—	—
	Data Xfer Checks		Parity	Parity	Parity	None	Parity
	Prog Interrupts		None	None	Yes; 4 types	None	Limited
	No. Index Reg		None	None	63	None	None
	Indirect Addressing		Yes	Yes	None	None	None
	Special Editing		None	None	None	None	Fair
	Boolean Ops		None	None	None	None	AND, INC OR, EXC OR
	Table Look-up		None	None	None	None	None
	Console Typewriter		Yes	Yes	Optional	Yes	Optional
	I/O Channels		1 integrated nonsimultaneous channel	1 integrated nonsimultaneous channel	None; all I/O control units are integral	1	1 with 6 subchannels, 3 of which can operate simultaneously
	Features & Comments				Instruction repertoire is same as that of Century 100		No multiply or divide instructions
WORKING STORAGE	Model Number		1620/1623	1625	616-200	517-1	70/15
	Type of Storage		Core	Core	Short-rod, thin-film	Core	Core
	No. Wds	Min	20,000	20,000	16,384 bytes	200	4,096 bytes
		Max	60,000	60,000	32,768 bytes	400	8,192 bytes
	Max Total Storage	Dec Digits	60,000	60,000	65,536	4,800	16,384
		Char	30,000	30,000	32,768	2,400	8,192
	Cycle Time, μsec		20	10	0.8/byte	1,080	2.0/byte
	Effect. Xfer Rate, char/sec		12,500	33,300	156,000	11,111	250,000
	Checks		Parity	Parity	Parity	Yes	Parity
	Storage Protect		None	None	None	None	None
	Features & Comments		2 digits represent 1 alphameric char	2 digits represent 1 alphameric char	Dual-spindle disc unit standard on every Century 50 system and all software is disc oriented; disc has 153-msec access time		No general-purpose registers

* With optional equipment NA — Not Available (s) — Subroutine

DATA STRUCTURE	**SYSTEM IDENTITY**		Univac Series 70 Model 25	Singer System Ten	Univac 9200	XDS Sigma 5	Memorex MRX/40
	Word Length	Binary Bits	8/byte	6 + parity	8/byte	32 + parity	16 + parity (2 bytes)
		Dec Digits	2/byte	1	2/byte	8	2/byte
		Char	1/byte	1	1/byte	4	1/byte
	Floating Point Form	Radix	—	—	—	Binary	Binary
		Fract Size	—	—	—	24 or 56	56 bits
		Exp Size	—	—	—	7	7 bits + sign bit
CENTRAL PROCESSOR	Model Number		70/25	Model 20 Processor	9200	8201 or 8202	7200
	Arith Radix		Binary or decimal	Decimal	Decimal	Binary	Binary or decimal
	Operand Length, wds		Variable	1 to 10	1 to 31 digits + sign	Variable	#
	Inst Length, wds		2, 4, or 6 bytes	10	4 or 6 bytes	1	1, 2, 3, or 4
	Addresses per Instruction		0, 1, or 2	2	0, 1, or 2	1	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	23 or 49	203 (no indexing)	187.2	4.0	#
		c=ab	406	459 (no indexing)	2,980	9.2	#
		c=a/b	469	1,631 (no indexing)	2,152	17.8	#
	Floating Pt Execute Time, μsec	c=a+b	—	—	—	6.9* (short)	#
		c=ab	—	—	—	11.5* (short)	#
		c=a/b	—	—	—	12.0* (short)	#
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		4-level	I/O, prog check, load	I/O & processor errors	Multilevel	Interleaved procs (8)
	No. Index Reg		15 max	3/partition	8	7/block	# (1 set/proc)
	Indirect Addressing		None	None	None	Yes	Yes
	Special Editing		Fair	Good	Good*	Yes	#
	Boolean Ops		AND, INC OR, EXC OR	None	AND, OR	AND, OR, EXC OR	AND, OR, EXC OR
	Table Look-up		None	None	None	No	#
	Console Typewriter		Optional	1/partition	None	Yes	Yes, 60 char/sec
	I/O Channels		4 to 8 selector channels; 0 or 1 multiplexor channel	1 file access channel plus 1 I/O channel per partition for low-speed operations	Integrated controls for simultaneous use of card reader, punch, printer; 1 8-way mpx ch*	Up to 5 independent I/O processors; 8202 has 1 built in	Std integ adptr for console; opt integ adptr for 1st prntr card equip, disc; opt IBM S/360 comp sel ch
	Features & Comments		Multiply/divide in decimal radix only	Standard hardware control of time-shared multiprogramming; indexing requires 31 or 59 μsec	Multiply, divide, edit are optional with 9200	Interseries program compatibility; also considerable compatibility with IBM System/360	200 nsec proc cycle; split 8-ways for each segment of system; opt IBM S/360 Mod 20 comp; firmware control of basic proc
WORKING STORAGE	Model Number		70/25	10K Core Memory Unit	9200	8252	7200 Processor Model D, DC, E, ED, or F
	Type of Storage		Core	Core	Plated-wire	Core	MOS
	No. Wds	Min	16,384 bytes	10,000/module	8,192 bytes	4,096	16,384 bytes
		Max	65,536 bytes	10,000/module	16,384/bytes	131,072	65,536 bytes
	Max Total Storage	Dec Digits	131,072	110,000 (11 modules)	32,768	1,048,576	131,072
		Char	65,536	110,000	16,384	524,288	65,536
	Cycle Time, μsec		1.5/4 bytes	3.3	1.2/byte	Unavailable	1.8/word
	Effect. Xfer Rate, char/sec		1,333,333	Approx 100,000	59,000	Varies with memory use	#
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		None	Yes	None	Read NA; write opt	Std, 265-byte incr
	Features & Comments		15 general-purpose registers in core storage	Processor has 1 memory module; 10 more can be added; system can be divided into 20 partitions; 1 common area of core is provided	Data structure and most instructions are IBM System/360 compatible	256 general-purpose registers; 89 instructions; independent memory banks	Control storage is alterable; loaded from dedicated area of std removable disc pack; can have 1 or 2 discs on-line for 29- or 58 million bytes

* With optional equipment NA — Not Available (s) — Subroutine # Information to be supplied

DATA STRUCTURE	SYSTEM IDENTITY		Memorex MRX/50	IBM System/370 Model 115	Univac 9200 II	Univac Series 6130/35
	Word Length	Binary Bits	16 + parity (2 bytes)	32	8/byte	16 + parity
		Dec Digits	2/byte	2/byte	2/byte	—
		Char	1/byte	1/byte	1/byte	2
	Floating Point Form	Radix	Binary	Binary	—	—
		Fract Size	56 bits	24*, 56*, or 112* bits	—	—
		Exp Size	7 bits + sign bit	7 bits*	—	—
CENTRAL PROCESSOR	Model Number		7300	3115	9200 II	
	Arith Radix		Binary or decimal	Binary or decimal	Decimal	—
	Operand Length, wds		NA	Variable	1 to 31 digits + sign	—
	Inst Length, wds		1, 2, 3, or 4	2, 4, or 6 bytes	4 or 6 bytes	—
	Addresses per Instruction		0, 1, or 2	0, 1, or 2	0, 1, or 2	—
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	—	—	187.2	—
		c=ab	—	—	2,980	—
		c=a/b	—	—	2,152	—
	Floating Pt Execute Time, μsec	c=a+b	—	—	—	—
		c=ab	—	—	—	—
		c=a/b	—	—	—	—
	Data Xfer Checks		Parity or code*	Error correction code	Parity	Parity
	Prog Interrupts		Interleaves procs (8)	5 classes	I/O & processor errors	Priority
	No. Index Reg		(1 set/proc)	16	8 + 8	3
	Indirect Addressing		Yes	None	None	Indefinite
	Special Editing		NA	Excellent	Good	—
	Boolean Ops		AND, OR, EXC OR	AND, INC OR, EXC OR	AND, OR	—
	Table Look-up		NA	None	None	—
	Console Typewriter		Yes, 60 char/sec	Required option	None	—
	I/O Channels		Same as MRX/40 plus 2nd IBM S/360 comp selector channel	Integrated adptrs; opt byte multiplexor	Integrated controls for simultaneous use of card reader, punch, printer; max std	6; 1-16 interlaced multiplexors
	Features & Comments		100 nsec proc cycle; split 8 ways/segment of system; opt IBM S/360 Mod 20 comp; firmware cntrl of basic proc; opt firmware control of comp	Most peripherals attached by integrated adapters, including disc and unit record	Multiply, divide, edit are std; selector channel opt	
WORKING STORAGE	Model Number		7300 Processor Model D, DC, E, ED, F, Fe, or G	3115	9200	6130/35
	Type of Storage		MOS	MOSFET	Plated-wire	Core
	No. Wds	Min	16,384 bytes	65,536 bytes	8,192 bytes	8,192
		Max	131,072 bytes	163,840 bytes	32,768 bytes	57,344
	Max Total Storage	Dec Digits	262,144	227,680	65,536	—
		Char	131,072	163,840	32,768	—
	Cycle Time, μsec		0.9/word	0.480	1.2/byte	0.5/0.75
	Effect. Xfer Rate, char/sec		NA	29,000	50 Kb selector chl	—
	Checks		Parity, error correction code opt	Error correction code	Parity	Parity
	Storage Protect		Std, 256-byte incr	Fetch & store	None	—
	Features & Comments		Same as MRX/40, but can have up to 8 discs on-line, plus a spare for up to 232 million bytes	Two-byte width cycle time; uses reloadable control storage	Data structure and most instructions are IBM System/360 compatible	

*With optional equipment NA — Not Available

SPECIFICATION CHART
Small General-Purpose Computers (European)

DATA STRUCTURE	SYSTEM IDENTITY		ICL 1901A	ICL 1901S	ICL 1901T	ICL 1902S
	Word Length	Binary Bits	24 + 2 parity	24 + 2 parity	24 + parity	24 + parity
		Dec Digits	–	–	–	–
		Char	4	4	4	4
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	37 bits	37 bits	37 bits	37 bits
		Exp Size	8 bits + sign	8 bits + sign	8 bits + sign	8 bits + sign
CENTRAL PROCESSOR	Model Number		2010	2012	2016	2025
	Arith Radix		Binary	Binary	Binary	Binary
	Operand Length, wds		1 (or 2 incl options)	1 (or 2 incl options)	1 or 2	1 or 2
	Inst Length, wds		1	1	1	1
	Addresses per Instruction		1	1	1	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	78.0	39.0	37.6	29.9
		c=ab	140.5	70.0	78.0	67.8
		c=a/b	142.8	71.5	81.9	72.2
	Floating Pt Execute Time, μsec	c=a+b	94.0	47.0	80.6	64.4
		c=ab	180.4	90.2	160.5	140.9
		c=a/b	206.0	103.0	192.0	176.9
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		I/O only	I/O only	Multilevel	Multilevel
	No. Index Reg		3	3	3/main program	3/main program
	Indirect Addressing		By addl instr	By addl instr	By addl instr	By addl instr
	Special Editing		None	None	None	None
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		None	None	None	None
	Console Typewriter		Yes, except 6K card sys	Yes, except 6K card sys	Yes	Yes
	I/O Channels		3 integrated adapters, 1-4 std interface chls (slow) under proc control	3 integrated adapters, 1-4 std interface chls (slow) under proc control	2 integrated adapters, including fast disc adapter 4-7 std interface chls under proc control	1 integrated fast disc adapter, 4-8 std interface chls under proc control
	Features & Comments		Fully upward compat with larger 1900 proc; 12-16K disc systems can be used as RJE terminals concurrently with local processing	Fully upward compat with larger 1900 proc; 12-16K disc systems can be used as RJE terminals concurrently with local processing	Fully upward compat with other 1900 systems; mltprgng capability for 63 main programs and 3 subprogs within each main prog	Fully compat with other 1900 systems; mltprgng capability for 67 main progs and 3 subprogs within each main prog
WORKING STORAGE	Model Number		2010	2012	2016/1-207	2025
	Type of Storage		Core	Core	MOS-Core	Core
	No. Wds	Min	6,144	6,144	20,480	16,384
		Max	16,384	16,384	61,440	65,536
	Max Total Storage	Dec Digits	–	–	–	–
		Char	65,536	65,536	45,760	262,144
	Cycle Time, μsec		4.0 (12-bit hlfwrd)	2.0 (12-bit hlfwrd)	4.0	3.0
	Effect. Xfer Rate, char/sec		220,000	220,000	630,000	830,000
	Checks		Parity chk on hlfwrd	Parity chk on hlfwrd	Parity chk on wrd	Parity chk on wrd
	Storage Protect		None	None	Read, write	Read, write
	Features & Comments		Hlfwrd data flow; arithmetic regs in core store wrds 0-7 of main prog	Hlfwrd data flow; arithmetic regs in core store wrds 0-7 of main prog	Arithmetic regs in core store wrds 0-7 of each main prog	Arithmetic regs in core store wrds 0-7 of each main prog

	SYSTEM IDENTITY		ICL 1902A		ICL 2903	NCR Century 75
DATA STRUCTURE	Word Length	Binary Bits	24 + parity		24 + 2 parity	8 + parity/byte
		Dec Digits	–		–	1 or 2/byte
		Char	4		4	1/byte
	Floating Point Form	Radix	Binary		Binary	–
		Fract Size	37 bits		37 bits	–
		Exp Size	8 bits + sign		8 bits + sign	–
CENTRAL PROCESSOR	Model Number		2015	2020	2903/0	615-101
	Arith Radix		Binary	Binary	Binary	Decimal or binary
	Operand Length, wds		1 or 2	1 (or 2 incl options)	1 or 2 opt)	1 to 256 bytes
	Inst Length, wds		1	1	1	4 or 8 bytes
	Addresses per Instruction		1	1	1	1 or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	62.5	32.6	NA	34.0 (dec or binary)
		c=ab	112.2	71.7	NA	–
		c=a/b	121.1	77.7	NA	–
	Floating Pt Execute Time, μsec	c=a+b	97.9	63.0	NA	–
		c=ab	182.9	160.1	NA	–
		c=a/b	209.3	191.0	NA	–
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		Multilevel	Multilevel	I/O only	4 types
	No. Index Reg		3/main prog	3/main prog	3	63
	Indirect Addressing		By addl instr	By addl instruction	By addl instr	Up to 5 levels
	Special Editing		None	None	None	Good
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	None
	Table Look-up		None	None	None	–
	Console Typewriter		Yes	Yes	No; CRT Display	Opt
	I/O Channels		1 integrated fast disc adapter, 4-7 std interface chls under proc control	4-8 std interface chls under proc control	4-9, incl 4-8 integrated adapters, 1-3 1900 series std interface chls	2 (8 positions each), incl 1 with mltplxng for 5 positions; 2 addl ch opt
	Features & Comments		Fully upward compat with other 1900 systems; mltprogng capability for 63 main progs and 3 subprogs within each main prog	Fully upward compat with other 1900 systems; mltprogng capability for 63 main progs and 3 subprogs within each main prog	Object prog compat with ICL 1900 series. Source programming restricted to RPG 2, Cobol, Fortran, and 6 applications pckgs	Instr set of 33 instrs I/O opt is superset of Century 100 and subset of Century 200
WORKING STORAGE	Model Number		2015	2020	2903/1	615-101
	Type of Storage		Core	Core	Semiconductor	Core
	No. Wds	Min	12,288	8,192	16,384	16,384 bytes
		Max	49,152	65,536	32,768	65,536 bytes
	Max Total Storage	Dec Digits	–	–	–	131,072
		Char	196,608	262,144	131,072	65,536
	Cycle Time, μsec		8.5	3.0	1.4	1.2/2 bytes
	Effect. Xfer Rate, char/sec		520,000	400,000	750,000	978,000
	Checks		Parity chk on wrd	Parity chk on wrd	Parity	Parity
	Storage Protect		Read, write	Read, write	None	None
	Features & Comments		Arithmetic regs in core store wrds 0-7 of each main prog	Arithmetic regs in core store wrds 0-7 of each main prog	Also has 350 nsc loadbl control store (LCS) not user-accessible; standard 4K 32-bit word mcrprog implements 1900 series instr set; addl opt 4K-word mcrprog Direct Data Entry function	One or two 656 exchngbl or fixed/exchngbl disc drives (IBM 5444-type) req in each Century 75 config all software disc-oriented

DATA STRUCTURE	SYSTEM IDENTITY		Siemens 4004/220	Unidata 7.720
	Word Length	Binary Bits	8/byte	8/byte
		Dec Digits	2/byte	2/byte
		Char	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary
		Fract Size	24, 56, or 112 bits	24, 56, or 112 bits
		Exp Size	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		4004/220	7.720
	Arith Radix		Binary or decimal	Binary or decimal
	Operand Length, wds		Variable	Variable
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		0, 1, 2 or 3	0, 1, 2, or 3
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	NA	NA
		c=ab	–	–
		c=a/b	–	–
	Floating Pt Execute Time, μsec	c=a+b	NA	NA
		c=ab	–	–
		c=a/b	–	–
	Data Xfer Checks		Parity	Parity
	Prog Interrupts		Multilevel	Multilevel
	No. Index Reg		16 max	16 max
	Indirect Addressing		None	None
	Special Editing		Excellent	Excellent
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		None	None
	Console Typewriter		CRT std; I/O writer opt	CRT std; I/O writer opt
	I/O Channels		I/O proc controls 1 byte mltplxr chl std; 1 blk mltplx or selector opt	3-12; any combination integrated disc, card reader, 1 printer adapters selector and byte-mltplx chls
	Features & Comments		Mltprcesr system comprising 1 central proc, 1 I/O proc, 1 service proc; source prog compat IBM System/370	Mcrprog; MOS/LSI loadable control storage 8K-16K 48-bit wrds; source lang compat IBM S/370, Siemens S/4004
WORKING STORAGE	Model Number		4004/220	7.720
	Type of Storage		MOS/LSI	MOS/LSI
	No. Wds	Min	32,768 bytes	49,152 bytes
		Max	163,840 bytes	163,840
	Max Total Storage	Dec Digits	327,680	327,680
		Char	163,840	163,840
	Cycle Time, μsec		0.7/4 bytes	0.72/4 bytes
	Effect. Xfer Rate, char/sec		1,400,000	1,400,000
	Checks		Parity	Parity
	Storage Protect		Read & write	Read & write
	Features & Comments		Virtual addressing capability for main storage; HS MOS scratchpad store holding 4 sets of 16 gp p for each of 4 prog states; loadable control store for mcrprog instr set	Virtual addressing capability; MOS/LSI loadable control store (LCS) 8K-16K 48-bit wrds

SPECIFICATION CHARTS

Medium General-Purpose Computers

DATA STRUCTURE	SYSTEM IDENTITY		Burroughs B 2500	Burroughs B 3500	Burroughs B 4700
	Word Length	Binary Bits	16 + parity	16 + parity	16 + parity
		Dec Digits	4	4	4
		Char	2	2	2
	Floating Point Form	Radix	Decimal	Decimal	Decimal
		Fract Size	1 to 100 digits + sign	1 to 100 digits + sign	8 or 16 digits + sign
		Exp Size	2 digits + sign	2 digits + sign	2 digits + sign
CENTRAL PROCESSOR	Model Number		B 2501, B 2502, B 2510, & B 2520	B 3501, B 3506, B 3508, B 3510, & B 3514	B 4704, B 4711, B 4712, B 4713, & B 4714
	Arith Radix		Decimal	Decimal	Decimal
	Operand Length, wds		1 to 100 digits or bytes	1 to 100 digits or bytes	1 to 100 digits or bytes
	Inst Length, wds		6 to 24 digits	6 to 24 digits	6 to 24 digits
	Addresses per Instruction		0, 1, 2, or 3	0, 1, 2, or 3	0, 1, 2, or 3
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	75.0	37.5	4.5
		c=ab	416.0	208.0	8.5
		c=a/b	1,810.0	905.0	—
	Floating Pt Execute Time, μsec	c=a+b	102.0	51.0	5.0
		c=ab	462.0	231.0	9.0
		c=a/b	1,860.0	930.0	29.0
	Data Xfer Checks		Parity	Parity	Parity
	Prog Interrupts		Multilevel	Multilevel	Multilevel
	No. Index Reg		3/program	3/program	3/program
	Indirect Addressing		Multilevel	Multilevel	Multilevel
	Special Editing		Excellent	Excellent	Excellent
	Boolean Ops		AND, OR, NOT	AND, OR, NOT	AND, OR, NOT
	Table Look-up		Yes	Yes	Yes
	Console Typewriter		Modified KSR Mod 33	Modified KSR Mod 33	CRT or typewriter
	I/O Channels		Up to 6 (3 can be high-speed); no cycle stealing	Up to 20 (10 can be high-speed); no cycle stealing	Up to 20 can be associated with each CPU (10 can be high-speed); no cycle stealing
	Features & Comments		B2501 & B 2510 not field upgradable to B 2502 or B 3500; B 2510 & B 2520 packaged systems; Cobol and multiprogramming designed systems	Except for B 3501, all are packaged systems; Cobol & multiprogramming designed systems	Packaged systems; B 4712, B 4713 & B 4714 have 2, 3, and 4 CPUs; all can or do have File Protect Memory feature for disc sharing
WORKING STORAGE	Model Number		B 2001-B 2012 (10 memory sizes)	B 3001-B 3050 (18 memory sizes)	B 4010-B 4050 (9 memory sizes/CPU)
	Type of Storage		Magnetic core	Magnetic core	Magnetic core
	No. Wds	Min	5,000	5,000	50,000
		Max	60,000	250,000	1,000,000
	Max Total Storage	Dec Digits	240,000	1,000,000	4,000,000
		Char	120,000	500,000	2,000,000
	Cycle Time, μsec		2.0	1.0	0.5
	Effect. Xfer Rate, char/sec		500,000	1,000,000	2,000,000 (1 CPU)
	Checks		Parity	Parity	Parity
	Storage Protect		Base & limit registers	Base & limit registers	Base & limit registers
	Features & Comments		Decimal addressing; memories are included in packaged systems; first 1,200 digit positions reserved for CPU	Decimal addressing; memories are included in packaged systems; first 1,200 digit positions reserved for CPU	Decimal addressing; first 1,200 digit positions of memory reserved for CPU

*With Optional Equipment (S) Subroutine NA Not Available -

DATA STRUCTURE	SYSTEM IDENTITY		Burroughs B 5500	Burroughs B 5700	CDC 3100 Model 3114	CDC 3100 Model 3174-1
	Word Length	Binary Bits	48 + 1 parity	48 + 1 parity	24 + parity	24 + parity
		Dec Digits	8	8	4*	4*
		Char	8	8	4	4
	Floating Point Form	Radix	Binary	Binary	Binary (double length)	—
		Fract Size	39 bits + sign	39 bits + sign	36 bits + sign	—
		Exp Size	6 bits + sign	6 bits + sign	11 bits	—
CENTRAL PROCESSOR	Model Number		B 5280 and B 5281 (second CPU optional)	B 5714/B 5724 (1 CPU/2 CPUs)	3114	3174-1
	Arith Radix		Binary or decimal	Binary or decimal	Decimal or binary	Binary
	Operand Length, wds		1 to 63 characters	1 to 63 characters	1 or 2	1 or 2
	Inst Length, wds		1 to 4 12-bit syllables	1 to 4 12-bit syllables	1, 2, or 3	1, 2, or 3
	Addresses per Instruction		1 or 0	1 or 0	1, 2, or 3	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	17	17	10.5	10.5
		c=ab	44	44	18.5 to 22	18.5 to 22
		c=a/b	76	76	22	22
	Floating Pt Execute Time, μsec	c=a+b	17	17	27.4*	—
		c=ab	44	44	32.8 to 39.8*	—
		c=a/b	76	76	41.9*	—
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		With priority scheme	With priority scheme	Multilevel	Multilevel
	No. Index Reg		3 multifunction	3 multifunction	3	3
	Indirect Addressing		Yes	Yes	Recursive	Recursive
	Special Editing		Char mode for CPUs	Char mode for CPUs	Yes*	None
	Boolean Ops		AND, INC OR, EQV, Negate	AND, INC OR, EQV, Negate	AND, EXC OR	AND, EXC OR
	Table Look-up		Special instructions	Special instructions	Good	Good
	Console Typewriter		Modified KSR Mod 33	Modified KSR Mod 33	Yes	Yes
	I/O Channels		1 to 4 (I/O multiplexing) floating channels; integrated data comm controls	1 to 4 (floating) I/O multiplexing channels; B 5350 Data Comm Processor offered; File Protect Memory for multiple B 5500 shared disk systems	1 to 4	One to eight 3177 communication channel modules
	Features & Comments		Master-slave relationship in 2-CPU systems; stack implementation; literal instructions; special multiprog/ multiproc design	Master-slave relationship in 2-CPU systems; stack implementation; literal instructions; special multiprog/ multiproc design	A binary processor with optional features for business applications	Can use all 3300 Series peripherals; all 3172 Storage Units can be field upgraded to a 3300
WORKING STORAGE	Model Number		B 461 Memory Module	B 5005 Memory Module/ B 5005 Auxiliary Memory	3113/3119	
	Type of Storage		Magnetic core	Magnetic core	Core	
	No. Wds	Min	4,096 (1 module)	4,096	8,192	
		Max	32,768 (8 modules)	98,304	32,768	
	Max Total Storage	Dec Digits	262,144	786,432	131,072*	
		Char	262,144	786,432	131,072	
	Cycle Time, μsec		4.0 (2.0 access)	4.0/1.2	1.75	
	Effect. Xfer Rate, char/sec		2,000,000 (1 CPU)	—	571,000	
	Checks		Parity	Parity	Parity	
	Storage Protect		Base & limit registers	Base & limit registers	Yes	
	Features & Comments		Up to 2 paths to memory (2-CPU system); attach to memory bus; memory modules are independent, facilitating reconfiguration	1 or 2 B 5005 Auxiliary Memory Subsystems (32K words) configurable; up to 2 paths to memory (2-CPU system); attach to memory bus		

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		CDC Model 3174-2				
	Word Length	Binary Bits	24 + 4 parity				
		Dec Digits	4*				
		Char	4				
	Floating Point Form	Radix	Binary				
		Fract Size	36 bits + sign				
		Exp Size	11 bits				
CENTRAL PROCESSOR	Model Number		3174-2				
	Arith Radix		Binary				
	Operand Length, wds		1 or 2				
	Inst Length, wds		1, 2, or 3				
	Addresses per Instruction		1				
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	10.5				
		c=ab	18.5 to 22				
		c=a/b	22				
	Floating Pt Execute Time, μsec	c=a+b	27.2				
		c=ab	35.6				
		c=a/b	38.4				
	Data Xfer Checks		Parity				
	Prog Interrupts		Multilevel				
	No. Index Reg		3				
	Indirect Addressing		Recursive				
	Special Editing		None				
	Boolean Ops		AND, EXC OR				
	Table Look-up		Good				
	Console Typewriter		Yes				
	I/O Channels		One to eight 3177 communication channel modules				
	Features & Comments		Can use all 3300 Series peripherals; all 3127 Storage Units can be field upgraded to a 3300				
WORKING STORAGE	Model Number		3172-81	3172-98	3172-114	3172-49	3172-65
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	81,920	98,304	114,688	49,152	65,538
		Max	81,920	98,304	114,688	49,152	65,538
	Max Total Storage	Dec Digits	491,520	589,824	688,128	294,912	363,216
		Char	327,680	393,216	458,752	196,608	262,152
	Cycle Time, μsec		175	175	175	175	175
	Effect. Xfer Rate, char/sec		2,285,712	2,285,712	2,285,712	2,285,712	2,285,712
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Yes	Yes	Yes	Yes
	Features & Comments		1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		CDC 3100 Model 3174-2	CDC 3100 Model 3174-3			
	Word Length	Binary Bits	24 + 4 parity	24 + 4 parity			
		Dec Digits	4*	4			
		Char	4	4			
	Floating Point Form	Radix	Binary	—			
		Fract Size	36 bits + sign	—			
		Exp Size	11 bits	—			
CENTRAL PROCESSOR	Model Number		3174-2	3174-3			
	Arith Radix		Binary	Binary or decimal			
	Operand Length, wds		1 or 2	Variable			
	Inst Length, wds		1, 2, or 3	1, 2, or 3			
	Addresses per Instruction		1	1, 2, or 3			
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	10.5	10.5 or 39.5			
		c=ab	18.5 to 22	18.5 to 22			
		c=a/b	22	22			
	Floating Pt Execute Time, μsec	c=a+b	27.2	—			
		c=ab	35.6	—			
		c=a/b	38.4	—			
	Data Xfer Checks		Parity	Parity			
	Prog Interrupts		Multilevel	Multilevel			
	No. Index Reg		3	3			
	Indirect Addressing		Recursive	Recursive			
	Special Editing		None	Yes			
	Boolean Ops		AND, EXC OR	AND, EXC OR			
	Table Look-up		Good	Good			
	Console Typewriter		Yes	Yes			
	I/O Channels		One to eight 3177 communication channel modules	One to eight 3177 communication channel modules			
	Features & Comments		Can use all 3300 Series peripherals; all 3172 Storage Units can be field upgraded to a 3300	Can use all 3300 Series peripherals; all 3172 Storage Units can be field upgraded to a 3300			
WORKING STORAGE	Model Number		3172-131	3172-49	3172-65	3172-81	3172-98
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	131,072	49,152	65,538	81,920	98,304
		Max	131,072	49,152	65,538	81,920	98,304
	Max Total Storage	Dec Digits	786,432	294,912	363,216	491,520	589,824
		Char	524,288	196,608	262,152	327,680	393,216
	Cycle Time, μsec		175	175	175	175	175
	Effect. Xfer Rate, char/sec		2,285,712	2,285,712	2,285,712	2,285,712	2,285,712
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Yes	Yes	Yes	Yes
	Features & Comments		1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		CDC 3100 Model 3174-3		CDC 3100 Model 3174-4		
	Word Length	Binary Bits	24 + 4 parity		24 + 4 parity		
		Dec Digits	4		4		
		Char	4		4		
	Floating Point Form	Radix	—		Binary		
		Fract Size	—		36 bits + sign		
		Exp Size	—		11 bits		
CENTRAL PROCESSOR	Model Number		3174-3		3174-4		
	Arith Radix		Binary or decimal		Binary or decimal		
	Operand Length, wds		Variable		2/variable		
	Inst Length, wds		1, 2, or 3		1, 2, or 3		
	Addresses per Instruction		1, 2, or 3		1, 2, or 3		
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	10.5 or 39.5		10.5 or 39.5		
		c=ab	18.5 to 22		18.5 to 22		
		c=a/b	22		22		
	Floating Pt Execute Time, μsec	c=a+b	—		27.2		
		c=ab	—		35.6		
		c=a/b	—		38.4		
	Data Xfer Checks		Parity		Parity		
	Prog Interrupts		Multilevel		Multilevel		
	No. Index Reg		3		3		
	Indirect Addressing		Recursive		Recursive		
	Special Editing		Yes		Yes		
	Boolean Ops		AND, EXC OR		AND, EXC OR		
	Table Look-up		Good		Good		
	Console Typewriter		Yes		Yes		
	I/O Channels		One to eight 3177 communication channel modules		One to eight 3177 communication channel modules		
	Features & Comments		Can use all 3300 Series peripherals; all 3172 Storage Units can be field upgraded to a 3300		Can use all 3300 Series peripherals; all 3172 Storage Units can be field upgraded to a 3300		
WORKING STORAGE	Model Number		3172-114	3172-131	3172-49	3172-65	3172-81
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	114,688	131,072	49,152	65,538	81,920
		Max	114,688	131,072	49,152	65,538	81,920
	Max Total Storage	Dec Digits	688,128	786,432	294,912	363,216	491,520
		Char	458,752	524,288	196,608	262,152	327,680
	Cycle Time, μsec		175	175	175	175	175
	Effect. Xfer Rate, char/sec		2,285,712	2,285,712	2,285,712	2,285,712	2,285,712
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Yes	Yes	Yes	Yes
	Features & Comments		1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		CDC 3100 Model 3174-4			CDC 3300	CDC 3400
	Word Length	Binary Bits	24 + 4 parity			24 + parity	48 + parity
		Dec Digits	4			4*	—
		Char	4			4	8
	Floating Point Form	Radix	Binary			Binary (double length)	Binary
		Fract Size	36 bits + sign			36 bits + sign	36 bits + sign
		Exp Size	11 bits			11 bits	11 bits
CENTRAL PROCESSOR	Model Number		3174-4			3304	3404
	Arith Radix		Binary or decimal			Binary or decimal*	Binary
	Operand Length, wds		2/variable			1 or 2	1
	Inst Length, wds		1, 2, or 3			1, 2, or 3	1/2 or 1
	Addresses per Instruction		1, 2, or 3			1, 2, or 3	1 or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	10.5 or 39.5			8.25	9
		c=ab	18.5 to 22			13.75 to 16.75	24
		c=a/b	22			19.63	24
	Floating Pt Execute Time, μsec	c=a+b	27.2			14.23 to 15.63*	12*
		c=ab	35.6			25.38*	20*
		c=a/b	38.4			28.38*	20*
	Data Xfer Checks		Parity			Parity	Parity
	Prog Interrupts		Multilevel			Multilevel	Identity must be tested
	No. Index Reg		3			3	6
	Indirect Addressing		Recursive			Recursive	Recursive
	Special Editing		Yes			Yes*	None
	Boolean Ops		AND, EXC OR			AND, EXC OR	AND, INC OR, EXC OR
	Table Look-up		Good			Good	Good
	Console Typewriter		Yes			Yes	Yes
	I/O Channels		One to eight 3177 communication channel modules			1 to 8	1 to 4
	Features & Comments		Can use all 3300 Series peripherals; all 3172 Storage Units can be field upgraded to a 3300			A faster version of the 3100 with a multiprogramming option	Double indexing; largely compatible with CDC 3600
WORKING STORAGE	Model Number		3172-98	3172-114	3172-131	3302/3309	3409
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	98,304	114,688	131,072	16,384	16,384
		Max	98,304	114,688	131,072	262,144	32,768
	Max Total Storage	Dec Digits	589,824	688,128	786,432	262,144*	—
		Char	393,216	458,752	524,288	1,048,576	262,144
	Cycle Time, μsec		175	175	175	1.25	1.5
	Effect. Xfer Rate, char/sec		2,285,712	2,285,712	2,285,712	3,200,000	1,050,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Yes	Yes	Yes	Using limit registers
	Features & Comments		1 read/write control per 16K words	1 read/write control per 16K words	1 read/write control per 16K words	64-word register file has 0.5-μsec cycle time	Single-bank storage

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		CDC 3500	CDC 3600	CDC 3800	DECsystem-10 1040	DECsystem-10 1050
	Word Length	Binary Bits	24 + parity	48 + parity	48 + parity	36 + parity	36 + parity
		Dec Digits	4*	—	—	6	6
		Char	4	8	8	6	6
	Floating Point Form	Radix	Binary (double length)	Binary	Binary	Binary	Binary
		Fract Size	26 bits + sign	36 or 84 bits + sign	36 or 84 bits + sign	27 bits	27 bits
		Exp Size	11 bits	11 bits	11 bits	8 bits	8 bits
CENTRAL PROCESSOR	Model Number		3504-1	3604	3804	KA10	KA10
	Arith Radix		Binary or decimal*	Binary	Binary	Binary	Binary
	Operand Length, wds		1 or 2	1 or 2	1 or 2	1/2 or 1	1/2 or 1
	Inst Length, wds		1, 2, or 3	1/2 or 1	1/2 or 1	1	1
	Addresses per Instruction		1, 2, or 3	1 or 2	1 or 2	2	2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	5.9	6.0	3.0	7.32	7.32
		c=ab	9.93 to 12.08	10.3	7.3	15.30	15.30
		c=a/b	14.13	20.0	11.3	20.90	20.90
	Floating Pt Execute Time, μsec	c=a+b	10.25 to 11.45	8.4	4.5	12.50	12.50
		c=ab	18.27	10.3	7.0	14.99	14.99
		c=a/b	20.43	19.0	9.9	18.80	18.80
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Multilevel	Yes	Yes	7-level	7-level
	No. Index Reg		3	6	6	15 max	15 max
	Indirect Addressing		Recursive	Recursive	Recursive	Yes	Yes
	Special Editing		Yes	None	None	Fair	Fair
	Boolean Ops		AND, EXC OR	AND, INC OR, Special	AND, INC OR, EXC OR	AND, OR, EXC OR, EQV	AND, OR, EXC OR, EQV
	Table Look-up		Good	Good	Good	No	No
	Console Typewriter		Yes	Yes	Yes	Yes	Yes
	I/O Channels		1 to 8	1 to 32, attached 8 per communication module	1 to 32, attached 8 per I/O module	Multiplexed I/O bus and DF10 Data Channel	Multiplexed I/O bus and DF10 Data Channel
	Features & Comments		Includes standard features for multiprogramming, floating point, and decimal arithmetic		Double indexing; overlapping access of data and instructions	Program compatible with DEC PDP-10 and 6; not compatible with computers of other vendors; upward compatible	Program compatible with DEC PDP-10 and 6; not compatible with computers of other vendors; upward compatible
WORKING STORAGE	Model Number		3502-2/3502-3	3609	3803	ME10	ME10
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	32,768	32,768	32,768	32,768	65,536
		Max	262,144	262,144	262,144	262,144	262,144
	Max Total Storage	Dec Digits	131,072*	—	—	1,572,864	1,572,864
		Char	1,048,576	2,097,152	2,097,152	1,572,864	1,572,864
	Cycle Time, μsec		0.9	1.5	0.9	1.0	1.0
	Effect. Xfer Rate, char/sec		4,444,444	2,610,000	500,000	6,000,000	6,000,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Using limit registers	Using relocation word	Read and write	Read and write
	Features & Comments		64-word register file has 0.4-μsec cycle time	Dual-bank storage	Lookahead feature reads next instruction during execution of current instruction	16 general-purpose registers	16 general-purpose registers

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		DECsystem-10 1055	DECsystem-10 1070	DECsystem-10 1077	HIS 200 Series Model 1015	HIS 200 Series Model 1200
	Word Length	Binary Bits	36 + parity	36 + parity	36 + parity	6 + parity + 20 punc	6 + parity + 2 punc
		Dec Digits	6	6	6	1	1
		Char	6	6	6	1	1
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	27 bits	27 or 56 bits	27 or 56 bits	36 bits	36 bits
		Exp Size	8 bits	8 bits	8 bits	12 bits	12 bits
CENTRAL PROCESSOR	Model Number		KA10	KI10	KI10	1016	1201
	Arith Radix		Binary	Binary	Binary	Decimal or binary	Decimal or binary
	Operand Length, wds		1/2 or 1	1/2 or 1	1/2 or 1	1 to N char	1 to N char
	Inst Length, wds		1	1	1	1 to 12	1 to 12
	Addresses per Instruction		2	2	2	2	2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	7.32	NA	NA	98	63
		c=ab	15.30	NA	NA	405	360
		c=a/b	20.90	NA	NA	240	900
	Floating Pt Execute Time, μsec	c=a+b	12.50	NA	NA	100	84*
		c=ab	14.99	NA	NA	113	120*
		c=a/b	18.80	NA	NA	238	149*
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		7-level	7-level	7-level	Yes	Yes
	No. Index Reg		15 max	15 max	15 max	15/program	15 or 30*
	Indirect Addressing		Yes	Yes	Yes	Yes	Yes
	Special Editing		Fair	Fair	Fair	Yes	Excellent
	Boolean Ops		AND, OR, EXC OR, EQV	AND, OR, EXC OR, EQV	AND, OR, EXC OR, EQV	AND, EXC OR	AND, EXC OR
	Table Look-up		No	No	No	Yes	Optional
	Console Typewriter		Yes	Yes	Yes	Yes	Yes
	I/O Channels		Multiplexed I/O bus and DF10 Data Channel	Multiplexed I/O bus and DF10 Data Channel	Multiplexed I/O bus and DF10 Data Channel	12	4*
	Features & Comments		Program compatible with DEC PDP-10 and 6; not compatible with computers of other vendors; upward compatible	Program compatible with DEC PDP-10 and 6; not compatible with computers of other vendors; upward compatible	Program compatible with DEC PDP-10 and 6; not compatible with computers of other vendors; upward compatible	8 simultaneous peripheral operations; control memory access time: 250 nsec; cycle time: 500 nsec	IBM 1401/1410/7010-compatible through software
WORKING STORAGE	Model Number		ME10	MD10, ME10	MD10, ME10	1016C	1201
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	81,920	98,304	131,072	65,536	8,192
		Max	262,144	4,196,304	4,196,304	131,072	131,072
	Max Total Storage	Dec Digits	1,572,864	25,177,824	25,177,824	131,072	131,072
		Char	1,572,864	25,177,824	25,177,824	131,072	131,072
	Cycle Time, μsec		1.0	1.0 or 1.8	1.0 or 1.8	1.6	1.5 per char
	Effect. Xfer Rate, char/sec		6,000,000	Up to 6,000,000	Up to 6,000,000	667,000	333,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Read and write	Read and write	Read and write	Yes	Yes*
	Features & Comments		16 general-purpose registers	4 sets of 16 general-purpose registers; dual processor	4 sets of 16 general-purpose registers; dual processor	32 peripheral address assignments; OS/200 operating system	48- or 96-char control memory has 0.5-μsec cycle

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		HIS 200 Series Model 2015	HIS 200 Series Model 2200	HIS 200 Series Model 3200	HIS 200 Series Model 4200	HIS 200 Series Model 8200
	Word Length	Binary Bits	6 + parity + 2 punc	6 + parity + 2 punc	6 + parity + 2 punc	6 + parity + 2 punc	48 + parity + 16 punc
		Dec Digits	1	1	1	1	12
		Char	1	1	1	1	8
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Decimal/binary
		Fract Size	36 bits	36 bits	36 bits	36 bits	10 digits/40 bits
		Exp Size	12 bits	12 bits	12 bits	12 bits	7 bits
CENTRAL PROCESSOR	Model Number		2016	2201	3201	4201	8201
	Arith Radix		Decimal or binary	Decimal or binary	Decimal or binary	Decimal or binary	Decimal or binary
	Operand Length, wds		1 to N char	1 to N char	1 to N char	1 to N char	1
	Inst Length, wds		1 to 12	1 to 12	1 to 12	1 to 12	1
	Addresses per Instruction		2	2	2	2	3
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	49	51	14 to 18	12 to 16	3.12 to 4.62
		c=ab	151	244	91 to 95	82 to 86	7.37 to 8.00
		c=a/b	411	600	286 to 290	59 to 63	17.12 to 18.62 (binary); 18.12 to 18.75 (decimal)
	Floating Pt Execute Time, μsec	c=a+b	73	56*	14 to 18	9 to 13	4.00 to 10.50
		c=ab	91	81*	—	13 to 20	8.75 to 9.37
		c=a/b	421	99*	—	18 to 22	16.50 to 18.00
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Yes	Yes	Yes	Yes	Multilevel
	No. Index Reg		15/program	15 or 30*	15	15 or 30*	64
	Indirect Addressing		Yes	Yes	Yes	Yes	Yes
	Special Editing		Yes	Excellent	Excellent	Excellent	None
	Boolean Ops		AND, EXC OR	AND, EXC OR	AND, EXC OR	AND, EXC OR	AND, INC OR, EXC OR
	Table Look-up		Yes	Optional	Yes	Yes	No
	Console Typewriter		Yes	Yes	Yes	Yes	Yes
	I/O Channels		12	4 or 8*	16	8 or 16*	16 or 32*
	Features & Comments		12 simultaneous peripheral operations; control memory access time: 125 nsec; nondestructive readout	IBM 1401/1410/7010 compatible through software	IBM compatible through magnetic tape units	IBM 1401/1410/7010 compatible through software	Program compatible with H-800, H-1800, and Series 200
WORKING STORAGE	Model Number		2016	2201	3201	4201	8201
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	93,304	16,384	131,072	131,072	32,768
		Max	252,144	262,144	524,288	524,288	131,072
	Max Total Storage	Dec Digits	252,144	262,144	524,288	524,288	1,572,864
		Char	252,144	262,144	524,288	524,288	1,048,576
	Cycle Time, μsec		1.3 per 2 char	1.0 per char	1.0 per 2 char	0.75 per 4 char	0.75 per 4 or 8 char
	Effect. Xfer Rate, char/sec		1,000,000	500,000	1,500,000	1,333,000	8,000,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Yes	Yes	Yes*	Using locks & keys
	Features & Comments		32 peripheral address assignments; OS/200 and Mod 4 operating systems	48- or 96-char control memory has 0.5-μsec cycle	Control memory with 64 individual address-able control registers has 250-μsec read/ write time	96-char control memory has 0.3-μsec cycle	Used by 8200 Word and Character Processors

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		HIS 400 Series Model 405	HIS 400 Series Model 415	HIS 400 Series Model 425	HIS 400 Series Model 435	HIS 600 Series Model 615
	Word Length	Binary Bits	24 + parity	24 + parity	24 + parity	24 + parity	36 + parity
		Dec Digits	4 + sign	4 + sign	4 + sign	4 + sign	—
		Char	4	4	4	4	6 or 9 bits
	Floating Point Form	Radix	—	Binary	Binary	Binary	Binary
		Fract Size	—	38 bits + sign	38 bits + sign	38 bits + sign	28 or 64 bits
		Exp Size	—	8 bits + sign	8 bits + sign	8 bits + sign	8 bits
CENTRAL PROCESSOR	Model Number		HIS 405	HIS 415	HIS 425	HIS 435	CP 8064
	Arith Radix		Decimal or binary	Decimal or binary	Decimal or binary	Decimal or binary	Binary
	Operand Length, wds		1 to 4	1 to 4	1 to 4	1 to 4	1 or 2
	Inst Length, wds		1 or 2	1 or 2	1 or 2	1 or 2	1
	Addresses per Instruction		1 or 2	1 or 2	1 or 2	1 or 2	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	88.0	63.8	42.9	29.9	12.7 (long); 11.1 (short)
		c=ab	669.1	480.1	377.5	310.1	26.3 (short)
		c=a/b	1,165.6	848.8	657.1	522.4	36.3 (short)
	Floating Pt Execute Time, μsec	c=a+b	—	70.6	47.2	32.8	13.6 (short); 15.2 (long)
		c=ab	—	74.0	53.4	39.8	23.3 (short); 39.4 (long)
		c=a/b	—	83.9	63.3	49.8	38.1 (short); 56.4 (long)
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Priority system	Priority system	Priority system	Priority system	Priority system
	No. Index Reg		6	6	6	6	8
	Indirect Addressing		Yes	Yes	Yes	Yes	Yes
	Special Editing		Very good	Very good	Very good	Very good	None
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		None	None	None	None	None
	Console Typewriter		Yes	Yes	Yes	Yes	Yes
	I/O Channels		8 channels standard; 4 additional channels optional	8 channels standard; 4 additional channels optional	8 channels standard; 4 additional channels optional	8 channels standard; 4 additional channels optional	8 to 16 channels per I/OC; up to 4 I/OCs per system
	Features & Comments		Program compatible with other members of GE-400 Series; floating point is not available	Program compatible with other members of GE-400 Series	Program compatible with other members of GE-400 Series	Program compatible with other members of GE-400 Series	Program compatible with other members of GE-600 Series; master/slave modes facilitate multiprogramming
WORKING STORAGE	Model Number		HIS 130	HIS 130	HIS 425	HIS 435	Included in central processor
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	8,192	8,192	8,192	16,384	32,768
		Max	32,768	12,288	131,072	131,072	262,144
	Max Total Storage	Dec Digits	131,072	49,152	524,288	524,288	—
		Char	131,072	49,152	524,288	524,288	1,572,864
	Cycle Time, μsec		5.8	8.0	3.9	2.7	2.0 per 36 bits
	Effect. Xfer Rate, char/sec		344,000	250,000	512,800	740,800	1,920,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Using limit registers*	Using limit registers*	Using limit registers*	Using limit registers*	Using limit registers
	Features & Comments				HIS 425 with cycle time increase of 0.7 μsec becomes HIS 427	HIS 435 with cycle time increase of 0.7 μsec becomes HIS 437	

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		HIS 600 Series Model 635	HIS 600 Series Model 655	HIS 2000 Series Model 2040	HIS 2000 Series Model 2050	HIS 2000 Series Model 2060
	Word Length	Binary Bits	36 + parity	36 + parity	6 + parity + 2 punc	6 + parity + 2 punc	6 + parity + 2 punc
		Dec Digits	—	—	1	1	1
		Char	6 or 9 bits	6 or 9 bits	1	1	1
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	28 or 64 bits	28 or 64 bits	36 bits	36 bits	36 bits
		Exp Size	8 bits	8 bits	12 bits	12 bits	12 bits
CENTRAL PROCESSOR	Model Number		CP 8030	CP 8034	2041	2051C	2061
	Arith Radix		Binary	Binary	Decimal or binary	Decimal or binary	Decimal or binary
	Operand Length, wds		1 or 2	1 or 2	1 to N char	1 to N char	1 to N char
	Inst Length, wds		1	1	Variable	Variable	Variable
	Addresses per Instruction		1	1	2	2	2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	5.9 (short); 6.8 (long)	1.95 (short); 1.95 (long)	97	58	42
		c=ab	11.6 (short)	4.4 (short)	404.5	182	130
		c=a/b	19.1 (short)	8.7 (short)	239.5	494	352
	Floating Pt Execute Time, μsec	c=a+b	6.8 (short); 7.7 (long)	2.95 (short); 2.95 (long)	—	—	—
		c=ab	10.5 (short); 17.6 (long)	4.4 (short); 7.4 (long)	—	—	—
		c=a/b	19.6 (short); 30.0 (long)	8.9 (short); 16.4 (long)	—	—	—
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Priority system	Priority system	Yes	Yes	Yes
	No. Index Reg		8	8	15	15	15
	Indirect Addressing		Yes	Yes	Yes	Yes	Yes
	Special Editing		None	None	Good	Good	Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, EXC OR	AND, EXC OR	AND, EXC OR
	Table Look-up		None	None	Yes	Yes	Yes
	Console Typewriter		Yes	Yes	Yes; CRT option	Yes; CRT option	Yes; CRT option
	I/O Channels		8 to 16 channels per I/OC; up to 4 I/OCs per system	8 to 16 channels per I/OC; up to 4 I/OCs per system	12	12	16
	Features & Comments		Program compatible with other members of HIS 600 Series; master/slave modes facilitate multiprogramming	Program compatible with other members of HIS 600 Series; master/slave modes facilitate multiprogramming	Program compatible with 200 Series; scientific subprocessor with floating-point arithmetic optional	Program compatible with 200 Series; scientific subprocessor with floating-point arithmetic optional	Program compatible with 200 Series scientific subprocessor with floating-point arithmetic optional
WORKING STORAGE	Model Number		MM 8030	MM 8034	2041	2051C	2061
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	32,768	32,768	49,152	93,304	131,072
		Max	262,144	262,144	131,072	262,144	524,288
	Max Total Storage	Dec Digits	—	—	131,072	262,144	524,288
		Char	1,572,864	1,572,864	131,072	262,144	524,288
	Cycle Time, μsec		1.0 per 72 bits	0.5 per 72 bits	1.6 per char	1.6 per 2 char	1.14 per 2 char
	Effect. Xfer Rate, char/sec		2,640,000	6,000,000	667,000	1,000,000	1,500,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Using limit registers	Using limit registers	Yes	Yes	Yes
	Features & Comments		Models 625 and 635 with 0.7-μsec cycle time increase and become 627 and 637; multiple processors can access a storage module		500-nsec access on control memory	250-nsec access on control memory	250-nsec access on control memory

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		HIS 2000 Series Model 2070	HIS 2000 Series Model 2088	HIS 6000 Series Model 6030	HIS 6000 Series Model 6040	IBM 7040
	Word Length	Binary Bits	6 + parity + 2 punc	6 + parity + 2 punc	36 + parity	36 + parity	36 + parity
		Dec Digits	1	1	6 or 9 bits	6 or 9 bits	—
		Char	1	1	6 or 9 bits	6 or 9 bits	6
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	36 bits	36 bits	28 and 64 bits	28 and 64 bits	27 or 54 bits
		Exp Size	12 bits	12 bits	8 bits	8 bits	8 bits
CENTRAL PROCESSOR	Model Number		2071	2088C	CS603	CS604	7106
	Arith Radix		Decimal or binary	Decimal or binary	Binary	Binary	Binary
	Operand Length, wds		1 to N char	1 to N char	1 or 2	1 or 2	1
	Inst Length, wds		Variable	Variable	1 or 2	1 or 2	1
	Addresses per Instruction		2	2	1	1	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	23	31.74	8.7	8.7	48
		c=ab	70	93.74	19.2	19.2	72
		c=a/b	202	80.04	31.4	31.4	94
	Floating Pt Execute Time, μsec	c=a+b	18	19.4	12.5	12.5	56*
		c=ab	25	26.9	17.5	17.5	67*
		c=a/b	28	29.7	32.0	32.0	88*
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Yes	Yes	Yes	Yes	Fixed priorities
	No. Index Reg		15	15	8	8	3*
	Indirect Addressing		Yes	Yes	Yes	Yes	1 level
	Special Editing		Good	Good	No	Good	None
	Boolean Ops		AND/EXC OR	AND/EXC OR	AND, OR, EXC OR	AND, OR, EXC OR	AND, INC OR, EXC OR, NOT
	Table Look-up		Yes	Yes	No	No	None
	Console Typewriter		Standard (CRT)	Standard (CRT)	Optional	Optional	No
	I/O Channels		16	32 (16 per processor)	8 to 16	8 to 16	0 to 4; most low-speed I/O devices operate in buffered mode
	Features & Comments		Program compatible with Series 200; scientific subprocessor standard	Dual processors; programs compatible with Series 200; scientific subprocessor standard	Program compatible with HIS 400 and 600 Series	Program compatible with HIS 400 and 600 Series	Can be directly coupled to an IBM 7090 or 7094
WORKING STORAGE	Model Number		2071	2088C	CS603	CS604	7106
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	131,072	524,288	65,536	65,536	4,096
		Max	524,288	1,048,576	262,144	262,144	32,768
	Max Total Storage	Dec Digits	524,288	1,048,576	1,048,576	1,048,576	—
		Char	524,288	1,048,576	1,048,576	1,048,576	196,608
	Cycle Time, μsec		1 per 4 char	0.75 per 4 char	1.2 per 2 words	1.2 per 2 words	8.0
	Effect. Xfer Rate, char/sec		2,500,000	5,660,000	1,300,000	1,300,000	375,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes	Yes	Read and write	Read and write	Yes*
	Features & Comments		250-nsec access on control memory	125-nsec access on control memory	Available in dual processor failsoft versions RS 6001, 6002	Available in dual processor failsoft versions RS 6003, 6004	

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		IBM 7044	IBM System/360 Model 30	IBM System/360 Model 40	IBM System/360 Model 44	IBM System/360 Model 50
	Word Length	Binary Bits	36 + parity	8/byte	8/byte	32 + parity	8/byte
		Dec Digits	—	2/byte	2/byte	—	2/byte
		Char	6	1/byte	1/byte	4	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	27 or 54 bits	24 or 56 bits	24 or 56 bits	24, 32, 40, 48, or 56 bits	24 or 56 bits
		Exp Size	8 bits	7 bits	7 bits	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		7107	2030	2040	2044	2050
	Arith Radix		Binary	Binary or decimal*	Binary or decimal*	Binary or decimal*	Binary or decimal
	Operand Length, wds		1	Variable	Variable	1 or 1/2 word (1, 2, or 4 bytes)	Variable
	Inst Length, wds		1	2, 4, or 6 bytes	2, 4, or 6 bytes	1 or 1/2 word (2 or 4 bytes)	2, 4, or 6 bytes
	Addresses per Instruction		1	0, 1, or 2	0, 1, or 2	2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	12	78 or 96	36 or 64	13.0 or 7.0*	12 or 35
		c=ab	32	296 or 395	113 or 178	26.3 or 20.5*	40 or 86
		c=a/b	48	481 or 767	216 or 349	41.0 or 33.8*	44 or 97
	Floating Pt Execute Time, μsec	c=a+b	19*	107 or 161*	43 or 62*	18.8 or 11.6*	14 or 21
		c=ab	28*	295 or 874	105 or 294*	73.6 or 21.8*	29 or 49
		c=a/b	44*	350 or 1,717	157 or 511	137.5 or 31.0	30 or 81
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Fixed priorities	5 classes	5 classes	5 classes	5 classes
	No. Index Reg		3*	15 max	15 max	15 max	15 max
	Indirect Addressing		1 level	None	None	None	None
	Special Editing		None	Good	Good	Restricted	Good
	Boolean Ops		AND, INC OR, EXC OR, NOT	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		None	None	None	None	None
	Console Typewriter		No	Optional	Optional	Standard	Optional
	I/O Channels		0 to 4; most low-speed I/O devices operate in buffered mode	0 to 2 selector channels; 1 multiplexor channel	0 to 2 selector channels; 1 multiplexor channel	1 multiplexor channel with 64 subchannels; 1* or 2* high-speed multiplexor channels	0 to 3 selector channels; 1 multiplexor channel
	Features & Comments		Program-compatible with IBM 7040	High degree of program compatibility within System/360	High degree of program compatibility within System/360	Limited program compatibility with other System/360 models	High degree of program compatibility within System/360
WORKING STORAGE	Model Number		7107	2030	2040	2044	2050
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	8,192	8,192 bytes	16,384 bytes	8,192 four-byte words	65,536 bytes
		Max	32,768	65,536 bytes	262,144 bytes	65,536 four-byte words	524,288 bytes
	Max Total Storage	Dec Digits	—	131,072	524,288	—	524,288
		Char	196,608	65,536	262,144	262,144	262,144
	Cycle Time, μsec		2.0	1.5 per 1 byte	2.5 per 2 bytes	1.0 per 4-byte word	2.0 per 4 bytes
	Effect. Xfer Rate, char/sec		1,200,000	321,000 max	90,000 max	121,200 max	851,000 max
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Yes*	Write only*	Write only*	Read* and write*	Write only
	Features & Comments		Cycle time was 2.5 μsec prior to April 1, 1964			Standard general registers are in extended core storage; high-speed registers optional	

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	**SYSTEM IDENTITY**		IBM System/370 Model 135	IBM System/370 Model 145	IBM System/370 Model 155	NCR Century 100	NCR Century 200
	Word Length	Binary Bits	8/byte	8/byte	8/byte	8 + parity/byte	8 + parity/byte
		Dec Digits	2/byte	2/byte	2/byte	1 or 2/byte	1 or 2/byte
		Char	1/byte	1/byte	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	—	Binary
		Fract Size	24*, 56*, or 112* bits	24, 56, or 112* bits	24, 56, or 112 bits	—	24 or 56 bits + sign
		Exp Size	7 bits*	7 bits	7 bits	—	7 bits
CENTRAL PROCESSOR	Model Number		3135	3145	3155	615-100	615-200
	Arith Radix		Binary or decimal	Binary or decimal	Binary or decimal	Decimal or binary	Decimal or binary
	Operand Length, wds		Variable	Variable	Variable	1 to 256 bytes	1 to 256 bytes
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	4 or 8 bytes	4 or 8 bytes
	Addresses per Instruction		0, 1, or 2	0, 1, or 2	0, 1, or 2	1 or 2	1 or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	10.558 or 86.848	5.323 or 25.393	3.716 or 8.894	82.4 (dec or bin)	22.9 (dec or bin)
		c=ab	31.900 or 409.920	23.242 or 126.485	12.341 or 40.756	3,780 (s)	278.3 (dec)
		c=a/b	58.297 or 401.487	37.936 or 128.048	12.686 or 58.787	9,930 (s)	(s)
	Floating Pt Execute Time, μsec	c=a+b	28.827* or 21.480* or 38.859*	13.025 or 9.032 or 19.143*	6.406 or 6.086 or 9,354*	—	30 (short); 52 (long)
		c=ab	63.422* or 39.992* or 178.805*	51.175 or 19.980 or 188.174*	18.240 or 10.724 or 69.875*	—	124 (short); 416 (long)
		c=a/b	91.314* or 51.146*	95.607 or 31.887	25.715 or 11.053	—	189 (short); 752 (long)
	Data Xfer Checks		Error correction code	Error correction code	Error correction code	Parity	Parity
	Prog Interrupts		5 classes	5 classes	5 classes	Yes; 4 types	4 types
	No. Index Reg		16	16	16	63	63
	Indirect Addressing		None	None	None	None	Up to 5 levels
	Special Editing		Excellent	Excellent	Excellent	None	Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	None	Optional
	Table Look-up		None	None	None	None	Scan instructions
	Console Typewriter		Required option	Required option	Required option	Optional	Standard
	I/O Channels		Byte mpx std; 2 selector opt; integrated file and integrated comm adapters opt	Max 5; 1 byte mpx and 4 selector; selector can be converted to blk mpx and/or integrated file adapters	Max 6; 1 byte mpx and 5 blk mpx ch, or 2 byte mpx and 4 blk mpx ch; ch are built in	2 I/O trunks (channels)	4 I/O channels standard, 4 optional
	Features & Comments		Includes many features of larger 370s; selector channels can be converted to block multiplexors	Contains most System/370 features; system throughput of 1.5M bps can be increased to 5.0M bps by opt feature	115-nsec, 8K buffer; 12 more instructions than 360; instruction and channel retry; time-of-day clock; high-resolution interval timer	Instruction repertoire is subset of the Century 200 repertoire	NCR 315 and IBM 1401/1440/1460 compatibility features optional
WORKING STORAGE	Model Number		3135	3145	3155	615-100	615-200
	Type of Storage		Monolithic circuits	Monolithic circuits	Core	Short-rod thin film	Rod/core
	No. Wds	Min	98,304 bytes	163,840 bytes	262,144 bytes	16,384 bytes	32,768 bytes
		Max	524,288 bytes	1,048,576 bytes	2,097,152 bytes	32,768 bytes	524,288 bytes
	Max Total Storage	Dec Digits	1,048,576 bytes	2,097,152 bytes	4,194,304	65,536	1,048,576
		Char	524,288 bytes	1,048,576 bytes	2,097,152	32,768	524,288
	Cycle Time, μsec		0.770 for read; 0.935 for write	0.540 to 0.608/4 bytes	2.1 per 16 bytes	0.8 per 1 byte	0.80/0.65
	Effect. Xfer Rate, char/sec		1,000,000(1)	2,184,533 (1)	#	156,000	524,288/646,000
	Checks		Error correction code	Error correction code	Error correction code	Parity	Parity
	Storage Protect		Fetch and store	Fetch and store	Fetch and store	None	Optional
	Features & Comments		Uses reloadable control storage loaded from magnetic console; stored data lost if power fails (1) Using Long Move instruction	Uses reloadable control storage loaded from magnetic console; stored data lost if power fails (1) Using Long Move instruction	Max throughput 5.8 million bytes/sec; available 4/71; 1401/1440/1460/1410/7010 emulation available	Dual-spindle disc unit is required in every Century 100 system; all software is disc oriented	Dual-spindle disc unit required in every Century 200 system; all software is disc oriented

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		NCR Century 300	Univac Series 70 Model 2	Univac Series 70 Model 3	Univac Series 70 Model 6	Univac Series 70 Model 7
	Word Length	Binary Bits	8 + parity/byte				
		Dec Digits	1 or 2/byte				
		Char	1/byte				
	Floating Point Form	Radix	Binary				
		Fract Size	24 or 56 bits + sign				
		Exp Size	7 bits				
CENTRAL PROCESSOR	Model Number		615-300	70/2	70/3	70/6	70/7
	Arith Radix		Decimal or binary	Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal
	Operand Length, wds		1 to 256 bytes	1 to 256 bytes	1 to 256 bytes	1 to 256 bytes	1 to 256 bytes
	Inst Length, wds		4 or 8 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		1 or 2	0, 1, or 2	0, 1, or 2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	6.5	25 or 42	25 or 42	6.12 or 19.25	6.12 or 19.25
		c=ab	18.7	82 or 126	82 or 126	15.63 or 21.94	15.63 or 21.94
		c=a/b	29.1	111 or 209	111 or 209	23.71 or 24.91	23.71 or 24.91
	Floating Pt Execute Time, μsec	c=a+b	4.9	37 or 53	37 or 53	7.73 or 10.01	7.73 or 10.01
		c=ab	7.0	68 or 212	68 or 212	14.61 or 37.23	14.61 or 37.23
		c=a/b	10.2	101 or 305	101 or 305	20.65 or 55.26	20.65 or 55.26
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		4 types	Multilevel	Multilevel	Multilevel	Multilevel
	No. Index Reg		63	15 max	15 max	15 max	15 max
	Indirect Addressing		Up to 5 levels	None	None	None	None
	Special Editing		Good	Good	Good	Good	Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		Scan instructions	None	None	None	None
	Console Typewriter		Standard	Optional	Optional	Optional	Optional
	I/O Channels		7 standard; 1 multiplexor and 6 high-speed; 4 very high-speed optional	0 to 4 selector channels; 1 multiplexor channel with 9 concurrent subchannels	0 to 4 selector channels; 1 multiplexor channel with 9 concurrent subchannels	2 to 6 selector channels; 1 multiplexor channel with 2 to 16 concurrent subchannels	2 to 6 selector channels; 1 multiplexor channel with 2 to 16 concurrent subchannels
	Features & Comments		67 hardware instructions contain all Century 100/200 instructions; floating-hardware; limit registers provide storage protection	Program compatible with IBM System/360 and 370 and RCA Spectra 70	Program compatible with IBM System/360 and 370 and RCA Spectra 70; automatic translation table for 512 pages of 4,096-byte virtual memory	Program compatible with IBM System/360 and 370 and RCA Spectra 70	Program compatible with IBM System/360 and 370 and RCA Spectra 70; content-addressable virtual memory up to 2,048 pages of 4,096 bytes
WORKING STORAGE	Model Number		618-100, 618-200	70/2	70/3	70/6	70/7
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	131,072 bytes	65,536 bytes	131,072 bytes	131,072 bytes	262,144 bytes
		Max	2,097,152 bytes	262,144 bytes	262,144 bytes	2,097,152 bytes	2,097,152 bytes
	Max Total Storage	Dec Digits	4,194,304	524,288	524,288	4,194,302	4,194,302
		Char	2,097,152	262,144	262,144	2,097,152	2,097,152
	Cycle Time, μsec		0.650 per 4 bytes	1.44 per 2 bytes	1.44 per 2 bytes	0.765 per 4 bytes	0.765 per 4 bytes
	Effect. Xfer Rate, char/sec		6,853,000	1,389,000	1,389,000	5,230,000	5,230,000
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Standard	Read and write	Read and write	Read and write	Read and write
	Features & Comments		4-byte words are 4-way interleaved; units are switchable; core can be independently accessed by processor components; disc unit required for software	Core memory switchable between processors; also has separate 128-word (32-bit scratch-pad 300-nsec memory for control register and 4 sets of 16 general-purpose registers; 4,096 word (54-bit) read-only 480-nsec memory	Core memory switchable between processors; also has separate 128-word (32-bit) scratchpad 300-nsec memory for control register and 4 sets of 16 general-purpose registers; 4,096-word (54-bit) read-only 480-nsec memory	Each 262,144-byte bank of memory independently switchable between processors; also has separate 128 word (32-bit) scratch-pad, 255-nsec memory for control and general-purpose registers; 3,072-word (72-bit) read-only 255-nsec memory	Each 262,144-byte bank of memory independently switchable between processors; also has separate 128-word (32-bit) scratch-pad 255-nsec memory for control and general-purpose registers; 3,072-word (72-bit) read-only 255-nsec memory

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		Univac Spectra 70				
	Word Length	Binary Bits	8/byte				
		Dec Digits	2/byte				
		Char	1/byte				
	Floating Point Form	Radix	Binary				
		Fract Size	24 or 56 bits				
		Exp Size	7 bits				
CENTRAL PROCESSOR	Model Number		70/35	70/45	70/46	70/55	70/60 & 70/61
	Arith Radix		Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal
	Operand Length, wds		Variable	Variable	Variable	Variable	Variable
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		0, 1, or 2	0, 1, or 2	0, 1, or 2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	51 or 80	25 or 42	25 or 42	7.8 or 20	6.12 or 19.25
		c=ab	163 or 276	82 or 126	82 or 126	18 or 58	15.63 or 21.94
		c=a/b	243 or 487	111 or 209	111 or 209	25 or 46	23.71 or 24.91
	Floating Pt Execute Time, μsec	c=a+b	81 or 116	37 or 53	37 or 53	13.4 or 19.0	7.73 or 10.01
		c=ab	203 or 536	68 or 212	68 or 212	24.2 or 53.1	14.61 or 37.23
		c=a/b	446 or 1282	101 or 305	101 or 305	28.6 or 83.8	20.65 or 55.26
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Multilevel	Multilevel	Multilevel	Multilevel	Multilevel
	No. Index Reg		15 max	15 max	15 max	15 max	15 max
	Indirect Addressing		None	None	None	None	None
	Special Editing		Good	Good	Good	Good	Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		None	None	None	None	None
	Console Typewriter		Optional	Optional	Optional	Optional	Optional
	I/O Channels		0 to 2 selector channels; 1 multiplexor channel	0 to 3 selector channels; 1 multiplexor channel	0 to 4 high-speed selector channels; 1 multiplexor channel	0 to 6 selector channels; 1 multiplexor channel	2 to 6 selector channels; 1 multiplexor (2 to 16 channels)
	Features & Comments		Program compatible with IBM System/360	Program compatible with IBM System/360	Program compatible with IBM System/360; time sharing for up to 48 users	Program compatible with IBM System/360	Program compatible with IBM System/360; 70/61 has time sharing for up to 128 users
WORKING STORAGE	Model Number		70/35	70/45	70/46	70/55	70/60 & 70/61
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	16,384 bytes	16,384 bytes	262,144 bytes	65,536 bytes	131,072 & 524,288 bytes
		Max	65,536 bytes	262,144 bytes	262,144 bytes	524,288 bytes	1,048,576 bytes
	Max Total Storage	Dec Digits	131,072	524,288	524,288	1,048,576	2,097,152
		Char	65,536	262,144	262,144	524,288	1,048,576
	Cycle Time, μsec		1.44 2 bytes	1.44 2 bytes	1.44 2 bytes	0.84 4 bytes	0.765 4 bytes
	Effect. Xfer Rate, char/sec		695,000	695,000	1,388,888	1,136,000	NA
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		Write only*	Write only*	Read and write	Write only*	Yes*
	Features & Comments		16 general-purpose registers in core storage	16 general-purpose registers in fast scratchpad memory	Fast read-only memory facilitates time-shared operations	16 general-purpose registers in fast scratchpad memory	16 general-purpose registers in 150-nsec scratchpad memory; 70/61 has a fast read-only memory which facilitates time-shared operations

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		Univac 490	Univac 491/492	Univac 494	Univac 1106	Univac 1108
	Word Length	Binary Bits	30	30	30 + parity	36 bits + 2 parity bits	36 bits + 2 parity bits
		Dec Digits	—	—	—	—	—
		Char	5	5	5	6	6
	Floating Point Form	Radix	—	—	Binary	Binary	Binary
		Fract Size	—	—	48 bits + sign	27 or 60 bits + sign	27 or 60 bits + sign
		Exp Size	—	—	11 bits	8 or 11 bits	8 or 11 bits
CENTRAL PROCESSOR	Model Number		8188 through 8199	8187-88 through 8187-99	3012-99	3011-20	3011-90
	Arith Radix		Binary	Binary	Binary	Binary	Binary
	Operand Length, wds		1	1	1 or 2	1 or 2	1 or 2
	Inst Length, wds		1	1	1	1	1
	Addresses per Instruction		1	1	1	1	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	36/29*	29.0	2.3	4.5	2.3
		c=ab	85/68*	68.2	8.7	6.66	3.9
		c=a/b	110/88*	88.3	8.7	16.95	11.6
	Floating Pt Execute Time, μsec	c=a+b	—	—	9.6	6.0	3.3
		c=ab	—	—	18.1	7.0	4.1
		c=a/b	—	—	18.4	14.5	9.8
	Data Xfer Checks		None	None	None	None	None
	Prog Interrupts		Multilevel	Multilevel	Multilevel	Multilevel	Multilevel
	No. Index Reg		7	7	7	15	15
	Indirect Addressing		None	None	None	Recursive	Recursive
	Special Editing		None	None	None	None	None
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		Via repeat mode	Via repeat mode	Via repeat mode	Good	Good
	Console Typewriter		Yes	Yes	Yes	Yes	Yes
	I/O Channels		8 or 14	491 has 8; 492 has 14	12, 16, 20, or 24 general-purpose channels	4 I/O channels standard; 12 additional are optional	5 processor & I/O controllers in 1108-II; 16 I/O ch in processor & I/O controller
	Features & Comments					May be field converted to 1108	Single-processor 1108 can contain 8, 12, or 16 I/O channels
WORKING STORAGE	Model Number		8188 through 8199	8187-88 through 8187-99	7005-95 through 7005-99	7005	7005
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	16,384	16,384	16,384	65,536	65,536
		Max	32,768	65,536	131,072	262,144	262,144
	Max Total Storage	Dec Digits	—	—	—	—	—
		Char	163,840	327,680	655,360	1,572,864	1,572,864
	Cycle Time, μsec		6.0	4.8	0.75	1.5	0.75
	Effect. Xfer Rate, char/sec		415,000	520,000	2,222,000	4,000,000	8,000,000
	Checks		None	None	Parity check	Parity chk on halfwd	Parity chk on halfwd
	Storage Protect		None	In 1,024-word blocks	In 64-word blocks	Read and write, in 512-word blocks	Read and write, in 512-word blocks
	Features & Comments		Accelerator feature reduces cycle time to 4.8 μsec			128 general-purpose ICR registers (166 nsec)	Up to 8 independent memory modules

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		Univac 9300	Univac 9400	Univac 9700	XDS Sigma 6	XDS Sigma 7
	Word Length	Binary Bits	8/byte	8 + parity/byte	31 bits + sign (4 bytes)	32 + parity	32 + parity
		Dec Digits	2/byte	1 or 2/byte	1 to 16 bytes	8	8
		Char	1/byte	1/byte	1/byte	4	4
	Floating Point Form	Radix	—	Binary	Binary	Binary	Binary
		Fract Size	—	24 or 56 bits + sign	24 or 56 bits + sign	24 or 56	24 or 56
		Exp Size	—	7 bits	7 bits	7	7
CENTRAL PROCESSOR	Model Number		3030	3019	3024	8310	8401
	Arith Radix		Decimal	Decimal or binary	Binary or decimal	Binary or decimal	Binary or decimal*
	Operand Length, wds		1 to 31 digits + sign	1 to 256 bytes	2, 4, or 8 bytes	Variable	Variable
	Inst Length, wds		4 or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	1	1
	Addresses per Instruction		0, 1, or 2	0, 1, or 2	2 or 3	1	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	93.6	54 (dec) or 16.8 (bin)	NA	2.8; 22.4	2.8; 22.4*
		c=ab	1490	347 (dec)	NA	6.4; 65	6.4; 65*
		c=a/b	1076	127 (dec)	NA	13.9; 35.9	13.9; 35.9*
	Floating Pt Execute Time, μsec	c=a+b	—	425 (s)	NA	4.7 (short)	4.7 (short)
		c=ab	—	918 (s)	NA	10.4 (short)	10.4 (short)
		c=a/b	—	956 (s)	NA	13.8 (short)	13.8 (short)
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		I/O & processor errors	7 levels	15 level	Multilevel	Multilevel
	No. Index Reg		8	32 max	15	7/block	7/block
	Indirect Addressing		None	None	For subroutine entry	Yes	Yes
	Special Editing		Good	Good	Yes	Yes	Opt
	Boolean Ops		AND, OR	AND, INC OR, EXC OR	AND, OR, EXC OR	AND, OR, EXC OR	AND, OR, EXC OR
	Table Look-up		None	None	Good	No	No
	Console Typewriter		None	Standard	Standard	No	No
	I/O Channels		Integrated controls for simultaneous use of card reader, punch, printer; one 8-way multiplexor channel*	1 multiplexor channel with 8 subchannels; 0 to 2 selector channels	1 selector channel (4 opt); 1 multiplexor channel with up to 31 subchannels	Up to 8 independent I/O processors	Up to 8 independent I/O processors
	Features & Comments		Multiply, divide, edit instructions are optional with 9200	2 sets of 16 general registers; program-compatible with Univac 9200/9300		Interseries program-compabibility; also considerable compatibility with IBM System/360	Interseries program-compatibility; also considerable compatibility with IBM System/360
WORKING STORAGE	Model Number		7007	7010	7018	8310	8452
	Type of Storage		Plated wire	Plated wire, thin-film	Plated wite	Core	Core
	No. Wds	Min	8192 bytes	24,576 bytes	16,384	32,768	8,192
		Max	32,768 bytes	131,072 bytes	262,144	131,072	131,072
	Max Total Storage	Dec Digits	65,536	262,144	1,048,576	1,048,576	1,048,576
		Char	32,768	131,072	1,048,576	524,288	524,288
	Cycle Time, μsec		0.6 per byte	0.6 per 2 bytes	0.6/4 bytes	NA	NA
	Effect. Xfer Rate, char/sec		118,000	416,000	6,666,666	Varies with memory use	Varies with memory use
	Checks		Parity	Parity	Parity	Parity	Parity
	Storage Protect		None	Optional	Read and write	Read and write	Read/write opt
	Features & Comments		Data structure and most instructions are IBM System/360-compatible			512 general-purpose registers; virtual addressing standard 160 instructions; independent memory banks	512 general-purpose registers; virtual addressing optional 106 instructions; independent memory banks

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

DATA STRUCTURE	SYSTEM IDENTITY		XDS Sigma 8	XDS Sigma 9	NCR Century 101	NCR Century 251	Univac 9480
	Word Length	Binary Bits	32 + parity	32 + parity	8/byte	8/byte	8 + parity/byte
		Dec Digits	8	8	2/byte	2/byte	1 or 2/byte
		Char	4	4	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	24 or 56	24 or 56	—	—	24 or 56 bits + sign
		Exp Size	7	7	7 bits	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		8510	8610	615-101	615-251	3019-98
	Arith Radix		Binary	Binary or decimal	Decimal or binary	Decimal or binary	Decimal or binary
	Operand Length, wds		Variable	Variable	1-256 bytes	1-256 bytes	1 to 256 bytes
	Inst Length, wds		1	1	4 or 8 bytes	4 or 8 bytes	2, 4, or 6 bytes
	Addresses per Instruction		1	1	1 or 2	1 or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	1.46	1.46; 8.8	7.2 + 3.6*	12.62	54 (dec) or 16.8 (bin)
		c=ab	4.05	4.05; 40.7	117**	37.0	347 (dec)
		c=a/b	9.5	9.5; 22.2	134.4	25.8	127 (dec)
	Floating Pt Execute Time, μsec	c=a+b	2.78 (short)	2.78 (short)	+	11.8	425 (s)
		c=ab	6.85 (short)	6.85 (short)	+	13.0	918 (s)
		c=a/b	11.6 (short)	11.6 (short)	+	17.8	956 (s)
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Multilevel	Multilevel	4 types	4 types	7 levels
	No. Index Reg		7/block	7/block	63	63/level	32 max
	Indirect Addressing		Yes	Yes	—	Up to 5 levels	None
	Special Editing		None	Yes	—	Good	Good
	Boolean Ops		AND, OR, EXC OR	AND, OR, EXC OR	—	—	AND, INC OR, EXC OR
	Table Look-up		No	No	—	Scan instructions	None
	Console Typewriter		No	CRT only	Optimal	Standard	Standard
	I/O Channels		Up to 11 independent I/O processors	Up to 11 independent I/O processors	2, 8 positions each; 1 multiplexor with 5 positions	3; 2 with 4 positions each, 1 multiplexor with 8 positions (3 dedicated)	1 multiplexor channel with 8 subchannels; selector channel std; (1 opt)
	Features & Comments		Interseries program-compatibility; also considerable compatibility with IBM System/360	Interseries program compatibility; also considerable compatibility with IBM System/360	* No. of decimal digits ** Using optimal hardware feature + by subroutine		2 sets of 16 general registers; program-compatible with Univac 9200/9300
WORKING STORAGE	Model Number		8510	8610	615-101	615-251	7010
	Type of Storage		Core	Core	Core	Rod or core	Semiconductor
	No. Wds	Min	16,384	131,072	16,384 bytes	98,304 bytes	65,536 bytes
		Max	131,072	524,288	32,768 bytes	262,144 bytes	262,144 bytes
	Max Total Storage	Dec Digits	1,048,576	4,194,304	65,536	524,288	504,288 bytes
		Char	524,288	2,097,152	32,768	262,144	262,144 bytes
	Cycle Time, μsec		NA	NA	1.2/2 bytes	1.2/4 bytes	0.6 per 2 bytes
	Effect. Xfer Rate, char/sec		Varies with memory use	Varies with memory use	—	3,426,500	900,000
	Checks		Parity	Parity	Optimal	Parity	Parity
	Storage Protect		Read NA; write std	Read and write	None	Standard	Optional
	Features & Comments		64 general-purpose registers; 101 instructions; independent memory banks	64 general-purpose registers; EBCDIC or ASCII internal code; virtual addressing standard; 112 instructions; independent memory banks			

*With Optional Equipment (s) Subroutine NA Not Available — Not Applicable

	SYSTEM IDENTITY		Burroughs B 2700	Burroughs B 3700	IBM System/370 Model 125	IBM System/370 Model 158	Honeywell 6000 Series Model 6025
DATA STRUCTURE	Word Length	Binary Bits	16 + parity	16 + parity	8/byte	8/byte	36 + parity
		Dec Digits	4	4	2/byte	2/byte	6 or 9
		Char	2	2	1/byte	1/byte	6 or 9
	Floating Point Form	Radix	Decimal	Decimal	Binary	Binary	Binary
		Fract Size	NA	NA	24*, 56*, or 112* bits	24, 56, or 112* bits	28, 64, or 72
		Exp Size	2 digits + sign	2 digits + sign	7 bits	7 bits	8 bits
CENTRAL PROCESSOR	Model Number		B 2731, 2741, 2751, 2761, 2771, 2772	B 3771, 3772	3125	3158	6025
	Arith Radix		Decimal	Decimal	Binary or decimal	Binary or decimal	Binary
	Operand Length, wds		1 to 100 digits or bytes	1 to 100 digits or bytes	Variable	Variable	1/2, 1, or 2
	Inst Length, wds		6 to 24 digits	6 to 24 digits	2, 4, or 6 bytes	2, 4, or 6 bytes	1 or 2
	Addresses per Instruction		0, 1, 2, or 3	0, 1, 2, or 3	0, 1, 2, or 3	0, 1, 2, or 3	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	NA	NA	NA	NA	—
		c=ab	NA	NA	NA	NA	—
		c=a/b	NA	NA	NA	NA	—
	Floating Pt Execute Time, μsec	c=a+b	NA	NA	NA	NA	—
		c=ab	NA	NA	NA	NA	—
		c=a/b	NA	NA	NA	NA	—
	Data Xfer Checks		Parity	Parity	Error correction code	Error correction code	Parity
	Prog Interrupts		Multilevel	Multilevel	5 classes	5 classes	Priority
	No. Index Reg		3/program	3/program	16	16	8
	Indirect Addressing		Multilevel	Multilevel	Multilevel	Multilevel	Yes
	Special Editing		Excellent	Excellent	Excellent	Excellent	—
	Boolean Ops		AND, OR, NOT	AND, OR, NOT	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		Yes	Yes	None	None	No
	Console Typewriter		CRT or typewriter	CRT or typewriter	CRT; console printer opt	CRT	—
	I/O Channels		6-40	8-40	1	3-6	10 including multiplexor; integrated disc and unit record controls
	Features & Comments				Card equipment, printer, have integrated controls; direct attachment of 3330 (required) provided		Central processor functions performed by 4 modules: memory, processor, I/O and front-end network processor
WORKING STORAGE	Model Number		B 2731-2772	B 3771-3772	3125	3158	6025
	Type of Storage		Magnetic core	Magnetic core	MOSFET	Monolithic	MOS
	No. Wds	Min	30,000-60,000	100,000	98,304 bytes	524,288	80K
		Max	60,000-300,000	300,000	262,144 bytes	4,194,304	131,072
	Max Total Storage	Dec Digits	NA	NA	524,288 bytes	8,398,608	524,288
		Char	NA	NA	262,144 bytes	4,194,304	524,288
	Cycle Time, μsec		2.0-1.0	.7	0.48	.115	1.2
	Effect. Xfer Rate, char/sec		2,000,000	3,000,000	NA	NA	1.3M
	Checks		Parity	Parity	Error correction code	Error correction code	Parity
	Storage Protect		Base & limit registers	Base & limit registers	Fetch and store	Fetch and store	Read/write
	Features & Comments				Uses reloadable control storage on removable magnetic diskette	Reloadable control storage used	

* Optional feature

DATA STRUCTURE	**SYSTEM IDENTITY**		Honeywell 6000 Series Model 6025	IBM System/370 Model 125	IBM System/370 Model 135	IBM System/370 Model 145	Univac 9480
	Word Length	Binary Bits	36 + parity	8/byte	8/byte	8/byte	8 + parity/byte
		Dec Digits	6 or 9	2/byte	2/byte	2/byte	1 or 2/byte
		Char	6 or 9	1/byte	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	28, 64, or 72	24*, 56*, or 112* bits	24*, 56*, or 112* bits	24, 56, or 112* bits	24 or 56 bits + sign
		Exp Size	8 bits	7 bits	7 bits*	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		6025	3125	3135	3145	3019-98
	Arith Radix		Binary	Binary or decimal	Binary or decimal	Binary or decimal	Decimal or binary
	Operand Length, wds		1/2, 1, or 2	Variable	Variable	Variable	1 to 256 bytes
	Inst Length, wds		1 or 2	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		1	0, 1, 2, or 3	0, 1, or 2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	—	NA	10.558 or 86.848	5.323 or 25.393	54 (dec) or 16.8 (bin)
		c=ab	—	NA	31.900 or 409.920	23.242 or 126.485	347 (dec)
		c=a/b	—	NA	58.297 or 401.487	37.936 or 128.048	127 (dec)
	Floating Pt Execute Time, μsec	c=a+b	—	NA	28.827* or 21.480* or 38.859*	13.025 or 9.032 or 19.143*	425 (s)
		c=ab	—	NA	63.422* or 39.992* or 178.805*	51.175 or 19.980 or 188.174*	918 (s)
		c=a/b	—	NA	91.314* or 51.146*	95.607 or 31.887	956 (s)
	Data Xfer Checks		Parity	Error correction code	Error correction code	Error correction code	Parity
	Prog Interrupts		Priority	5 classes	5 classes	5 classes	7 levels
	No. Index Reg		8	16	16	16	32 max
	Indirect Addressing		Yes	Multilevel	None	None	None
	Special Editing		—	Excellent	Excellent	Excellent	Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		No	None	None	None	None
	Console Typewriter		—	CRT; console printer opt	Required option	Required option	Standard
	I/O Channels		10 including multiplexor; integrated disc and unit record controls	1	Byte mpx std; 2 selector opt; integrated file and integrated comm adapters opt	Max 5; 1 byte mpx and 4 selector; selector can be converted to blk mpx and/or integrated file adapters	1 multiplexor channel with 8 subchannels; selector channel std; (1 opt)
	Features & Comments		Central processor functions performed by 4 modules: memory, processor, I/O, and front-end network processor	Card equipment, printer, have integrated controls; direct attachment of 3330 (required) provided	Includes many features of larger 370s; selector channels can be converted to block multiplexors	Contains most System/370 features; system throughput of 1.5M bps can be increased to 5.0M bps by opt feature	2 sets of 16 general registers; program-compatible with Univac 9200/9300
WORKING STORAGE	Model Number		6025	3125	3135	3145	7010
	Type of Storage		MOS	MOSFET	Monolithic circuits	Monolithic circuits	Semiconductor
	No. Wds	Min	80K	98,304 bytes	98,304 bytes	163,840 bytes	65,536 bytes
		Max	131,072	262,144 bytes	524,288 bytes	1,048,576 bytes	262,144 bytes
	Max Total Storage	Dec Digits	524,288	524,288 bytes	1,048,576 bytes	2,097,152 bytes	504,288 bytes
		Char	524,288	262,144 bytes	524,288 bytes	1,048,576 bytes	262,144 bytes
	Cycle Time, μsec		1.2	0.48	0.770 for read; 0.935 for write	0.540 to 0.608/4 bytes	0.6 per 2 bytes
	Effect. Xfer Rate, char/sec		1.3M	NA	1,000,000(1)	2,184,533(1)	900,000
	Checks		Parity	Error correction code	Error correction code	Error correction code	Parity
	Storage Protect		Read/write	Fetch and store	Fetch and store	Fetch and store	Optional
	Features & Comments			Uses reloadable control storage on removable magnetic diskette	Uses reloadable control storage loaded from magnetic console; stored data lost if power fails (1) Using Long Move instruction	Uses reloadable control storage loaded from magnetic console; stored data lost if power fails (1) Using Long Move instruction	

SPECIFICATION CHART

Medium General-Purpose Computers (European)

			CII Iris 45	CII Iris 50	CII Iris 55	CII Iris 60
DATA STRUCTURE	SYSTEM IDENTITY					
	Word Length	Binary Bits	8/octet	8/octet	8/octet	8/octet
		Dec Digits	2/octet	2/octet	2/octet	2/octet
		Char	1/octet	1/octet	1/octet	1/octet
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	24 or 56 bits	24 or 56 bits	24 or 56 bits	24 or 56 bits
		Exp Size	7 bits + sign	7 bits + sign	7 bits + sign	7 bits + sign
CENTRAL PROCESSOR	Model Number		2303	–	–	–
	Arith Radix		Binary (decimal*)	Binary (decimal*)	Binary or decimal	Binary or decimal
	Operand Length, wds		1, 2, 4, or 8 octets	1, 2, 4, or 8 octets	1, 2, 4, or 8 octets	1, 2, 4, or 8 octets
	Inst Length, wds		4 octets (1 wrd)	4 octets (1 wrd)	4 octets (1 wrd)	4 octets (1 wrd)
	Addresses per Instruction		1 or 2	1 or 2	1 or 2	1 or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	14.7 (or 29.85*)	10.6 (or 15.8*)	7.65 or 13.3	5.0 or 7.7
		c=ab	45.45 (or 204.0*)	27.1 (or 97.55*)	23.0 or 50.85	13.0 or 28.45
		c=a/b	55.35 (or 275.0)	30.9 (or 130.55*)	22.95 or 73.6	13.5 or 40.9
	Floating Pt Execute Time, μsec	c=a+b	20.7 or 29.85	13.2 or 19.0*	10.1 or 13.5	6.5 or 8.6
		c=ab	40.95 or 101.1	24.9 or 75.15	20.5 or 51.3	12.0 or 29.6
		c=a/b	39.4 or 98.3	27.1 or 77.25	21.4 or 65.25	12.75 or 37.35
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		27	96	13 to 96	13 to 96
	No. Index Reg		7	7	7	7
	Indirect Addressing		Multilevel	Multilevel	Multilevel	Multilevel
	Special Editing		Good	Good	Good	Good
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		No	No	No	No
	Console Typewriter		Opt	Std	Std	Std
	I/O Channels		1-2 integrated I/O mltplxrs (UEM) with 4-64 control unit interfaces (ULs); opt prog I/O for real-time	1-4 I/O mltplxr chls (UEMs), each with 4-64 control unit interfaces (ULs) = 4-256 ULs/system	1-5 I/O mltplxrs (UEMs), each with 1-6 selector or mltplxr chls and 8-32 control unit positions	1-5 I/O mltplxr (UEMs), each with 1-6 selector or mltplxr chls and 8-32 control unit positions
	Features & Comments		Fully upward compatible with Iris 50 and 55	Fully upward compatible with Iris 45 and 55; opt prog I/O unit for connection of real-time/process-control peripherals	Fully upward compatible with Iris 50 and 60; opt programmed I/O unit for connection of real-time/process-control peripherals	Fully upward compatible with Iris 50 and 55; opt prog I/O unit for connection of real-time/process-control peripherals
WORKING STORAGE	Model Number		2303	–	–	–
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	49,152 octets	65,536 octets	131,072 octets	131,072 octets
		Max	262,144 octets	262,144 octets	524,288 octets	1,048,576 octets
	Max Total Storage	Dec Digits	524,288	524,288	1,048,576	2,097,152
		Char	262,144	262,144	524,288	1,048,576
	Cycle Time, μsec		1.2/2 octets (16 bits)	0.95/2 octets (16 bits)	0.75/4 octets (32 bits)	0.65/4 octets (32 bits)
	Effect. Xfer Rate, char/sec		850,000	1,500,000	6,000,000	6,000,000
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Read, write	Read, write	Read, write	Read, write
	Features & Comments		2 octet (16-bit) wide data flow; independent 64K storage blocks with own access circuits allowing CPU and to 2 UEMs to access different storage blocks in parallel	2 octet (16-bit) wide data flow; independent 64K storage blocks with own access circuits allowing CPU and up to 2 UEMs to access different storage blocks in parallel	4 octet (32-bit) wide data flow; independent 256K storage blocks with own access circuits allowing CPU and up to 3 UEMs to access different storage blocks in parallel	4 octet (32-bit) wide data flow; independent 256K storage blocks with own access circuits allowing CPU and up to 3 UEMs to access different storage blocks in parallel

* With optional equipment

			CII 10070	Datasaab D 220 S	Datasaab D 220 M	Datasaab D22
DATA STRUCTURE	SYSTEM IDENTITY					
	Word Length	Binary Bits	32 + 1 parity	24 + 3 parity	24 + 3 parity	24 + 3 parity
		Dec Digits	8/wrd	–	6	6
		Char	4/wrd	3	3	3
	Floating Point Form	Radix	Binary	–	Binary*	Binary*
		Fract Size	24 or 56 bits	–	40 bits*	40 bits*
		Exp Size	7 bits + sign	–	7 bits*	7 bits*
CENTRAL PROCESSOR	Model Number		–	2175 S	2175 M	2124
	Arith Radix		Binary (decimal*)	Binary or decimal (c)	Binary or decimal (c)	Binary or decimal (c)
	Operand Length, wds		1/2, 1, or 2 words	1	1, variable (c)	1, variable (c)
	Inst Length, wds		1 wrd	1 or 2	1 or 2	1 or 2
	Addresses per Instruction		1 or 2	1 or 2	1, 2, or 3	1, 2, or 3
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	NA	–	–	–
		c=ab	NA	–	–	–
		c=a/b	NA	–	–	–
	Floating Pt Execute Time, μsec	c=a+b	NA	–	–	–
		c=ab	NA	–	–	–
		c=a/b	NA	–	–	–
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		240	–	Multilevel	Multilevel
	No. Index Reg		7 per program	3	3/program	3/program
	Indirect Addressing		Multilevel	2 levels	2 levels	2 levels
	Special Editing		Good	None	Opt (c)	Opt (c)
	Boolean Ops		AND;INC OR;EXC OR	AND; INC; EXC	AND; INC; EXC	AND; INC; EXC
	Table Look-up		No	–	–	–
	Console Typewriter		Std	Std	Std	Std
	I/O Channels		1-5 selector (UED) or mltplxr (UEM) I/O chls, each with 8-32 control unit interfaces (ULs)	Up to 5 fast and 20 slow	Up to 14 fast and 25 slow	Up to 18 fast and 25 slow
	Features & Comments		Fully compatible with Xerox Sigma 7; upward compatible with CII Iris 80; opt prog I/O unit for real-time/process-control peripherals			
WORKING STORAGE	Model Number		–	2175 S	2175 M	2124
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	4,096	16,384	32,768	32,768
		Max	131,072	32,768	65,536	262,144
	Max Total Storage	Dec Digits	1,048,576	–	393,216	1,572,864
		Char	524,288	32,768	196,608	786,432
	Cycle Time, μsec		0.85	3.2	3.2	1.6
	Effect. Xfer Rate, char/sec		4,000,000/UED	–	–	–
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Read, write	–	Read and write	Read and write
	Features & Comments		Up to 8 blocks of 16K wrds, each with own circuits, allowing parallel access by CPU and up to 5 UEDs or UEMs to different store blocks			

* Using optional equipment (c) Using optional Character Processing Unit

	SYSTEM IDENTITY		Datasaab D 23	ICL 1902T	ICL 1903A	ICL 1903S
DATA STRUCTURE	Word Length	Binary Bits	8/byte	24 + parity	24 + parity	24 + parity
		Dec Digits	2/byte	–	–	–
		Char	1/byte	4	4	4
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	40 bits*	37 bits	37 bits	37 bits
		Exp Size	7 bits*	8 bits + sign	8 bits + sign	8 bits + sign
CENTRAL PROCESSOR	Model Number		2300	2026	2030	2031
	Arith Radix		Binary or decimal (c)	Binary	Binary	Binary
	Operand Length, wds		Variable	1 or 2	1 or 2	1 or 2
	Inst Length, wds		3 or 6 bytes	1	1	1
	Addresses per Instruction		1, 2, or 3	1	1	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	–	18.8	15.8	15.8
		c=ab	–	41.3	34.7	34.7
		c=a/b	–	44.4	37.4	37.4
	Floating Pt Execute Time, μsec	c=a+b	–	43.8	33.1	33.1
		c=ab	–	99.8	79.5	79.5
		c=a/b	–	121.4	94.1	94.1
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		Multilevel	Multilevel	Multilevel	Multilevel
	No. Index Reg		3/program	3/main program	3/main program	3/main program
	Indirect Addressing		2 levels	By addl instr	By addl instr	By addl instr
	Special Editing		Opt (c)	None	None	None
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		–	None	None	None
	Console Typewriter		Std	Yes	Yes	Yes
	I/O Channels			2 integrated adapters, 1-11 standard interface chls under proc control incl fast disc adptr	4-12 std interface chls under proc control, 1 integrated fast disc adapter	4-12 slow chls under proc control; Peripheral Autonomous Control (PAC) with 2-6 fast chls
	Features & Comments		Mcrprog central proc; fully upward compatible to D21, D220S & M and D 22 via D22 microprog set	Fully upward compatible with other 1900 systems; mltprog capability for 63 main progs and 3 subprogs within each main prog	Fully compatible with other 1900 systems; mltprog capability for 63 main progs and 3 subprogs within each main prog	Fully compatible with other 1900 systems; mltprog, 63 main progs
WORKING STORAGE	Model Number		2310	2026/1-2017	2030	2031
	Type of Storage		Semiconductor	MOS/LSI-Core	Core	Core
	No. Wds	Min	65,536 bytes	40,960	16,384	16,384
		Max	786,432 bytes	131,072	131,072	131,072
	Max Total Storage	Dec Digits	1,572,864	–	–	–
		Char	786,432	524,288	524,288	524,288
	Cycle Time, μsec		0.4/8 bytes	2.0	1.5	1.5
	Effect. Xfer Rate, char/sec		–	830,000	83,000	1,000,000
	Checks		Parity	Parity chk on word	Parity chk on wrd	Parity chk on wrd
	Storage Protect		Read and write	Read, write	Read, write	Read/write 64 -wrd blk
	Features & Comments		Byte-addressable store, from which D22 microprogs can retrieve data in 24-bit (3-byte) wrds and 48-bit (6-byte) dblwrds	Arithmetic registers in core store wrds 0-7 of each main prog	Arithmetic regs in core store wrds 0-7 of each main prog	Arithmetic regs in core stre words 0-7 of each main prog

* Using optional equipment

			ICL 1903T	ICL 1904A	ICL 1904S	ICL System 4-40
DATA STRUCTURE	SYSTEM IDENTITY					
	Word Length	Binary Bits	24 + parity	24 + parity	24 + parity	8 + 1 parity
		Dec Digits	–	–	–	2
		Char	4	4	4	1
	Floating Point Form	Radix	Binary	Binary	Binary	Binary fraction
		Fract Size	37 bits	37 bits	37 bits	24 or 56 bits
		Exp Size	8 bits + sign	8 bits + sign	8 bits + sign	7 bits
CENTRAL PROCESSOR	Model Number		2043	2044	2046	4040
	Arith Radix		Binary	Binary	Binary	Binary or decimal
	Operand Length, wds		1 or 2	1 or 2	1 or 2	Variable
	Inst Length, wds		1	1	1	2, 4, or 6
	Addresses per Instruction		1	1	1	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	10.4	7.8	6.0	33.8
		c=ab	27.0	20.2	15.5	119.4
		c=a/b	28.2	21.2	15.9	162.1
	Floating Pt Execute Time, μsec	c=a+b	22.15	16.44	15.6	40.3 or 55.5
		c=ab	27.2	20.08	19.1	70.5 or 214
		c=a/b	44.1	32.58	44.1	104 or 308
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		Multilevel	Multilevel	Multilevel	Yes, multilevel
	No. Index Reg		3/main program	3/main program	3/main program	16/processor states
	Indirect Addressing		By addl instr	By addl instr	By addl instr	None
	Special Editing		None	None	None	Good
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		None	None	None	None
	Console Typewriter		Yes	Yes	Yes	Yes
	I/O Channels		6-18 slow chls under proc control PAC with 4-12 fast and 0-1 high-speed chls	6-18 slow chls under proc control; PAC with 4-12 fast and 0-1 high-speed chls	6-18 slow chls under proc control; PAC with 4-18 fast and 0-2 high-speed chls	2 or 3 selectors; 1 mltplxr
	Features & Comments		Fully compatible with other 1900 systems; mltprog; 63 main progs; Autonomous Floating-Point Unit (FPU), opt paging unit	Fully compatible with other 1900 systems; mltprog, 8-16 main progs; Autonomous Floating-Point Unit (FPU); opt paging unit	Fully compatible with other 1900 systems; mltprog, 8-16 main progs; Autonomous Floating-Point Unit (FPU); opt paging unit	Prog compatible with IBM System/360
WORKING STORAGE	Model Number		2043	2044	2046	4140
	Type of Storage		Semiconductor	Core	Semiconductor	Core
	No. Wds	Min	65,536	32,768	65,536	65,536
		Max	196,608	262,144	262,144	131,072
	Max Total Storage	Dec Digits	–	–	–	262,144
		Char	786,432	1,048,576	1,048,576	131,072
	Cycle Time, μsec		0.8	0.75	0.5	1.5/2 bytes
	Effect. Xfer Rate, char/sec		2,500,000	3,000,000	5,000,000	465,000
	Checks		Parity chk on wrd	Parity chk on wrd	Parity chk on wrd	Parity
	Storage Protect		Read/write 64-wrd blk	Read/write 64-wrd blk	Read/write 64-wrd blk	Write only*
	Features & Comments		Hrdwr arithmetic regs 0-7	Hrdwr arithmetic regs 0-7	Hrdwr arithmetic regs 0-7	

* With optional equipment

DATA STRUCTURE	SYSTEM IDENTITY		ICL System 4-50	ICL System 4-52	ICL System 4-70	ICL System 4-72
	Word Length	Binary Bits	8/byte	8/byte	8/byte	8/byte
		Dec Digits	2/byte	2/byte	2/byte	2/byte
		Char	1/byte	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	24 or 56 bits	24 or 56 bits	24 or 56 bits	24 or 56 bits
		Exp Size	7 bits + sign	7 bits + sign	7 bits + sign	7 bits + sign
CENTRAL PROCESSOR	Model Number		4050	4056	4070	4076
	Arith Radix					
	Operand Length, wds		Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal
	Inst Length, wds		2-8 / 1-256 bytes	2-8 / 1-256 bytes	2-8 / 1-256 bytes	2-8 / 1-256 bytes
	Addresses per Instruction		2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	0, 1, or 2	0, 1, or 2	0, 1, or 2	0, 1, or 2
		c=ab	25 or 42	25 or 42	4.8 or 12.6	3.7 or 11.4
		c=a/b	82 or 126	82 or 126	9.2 or 28.7	7.7 or 28.7
	Floating Pt Execute Time, μsec	c=a+b	111 or 209	111 or 209	14.1 or 34.0	11.8 or 32.9
		c=ab	37 or 53	37 or 53	6.8 or 8.7	5.4 or 7.0
		c=a/b	68 or 212	68 or 212	9.9 or 16.4	8.0 or 13.2
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		32	32	32	32
	No. Index Reg		15 max	15 max	15 max	15 max
	Indirect Addressing		None	None	None	None
	Special Editing		Good	Good	Good	Good
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		None	None	None	None
	Console Typewriter		Std	Std	Std	Std
	I/O Channels		0-3 selector chls; 1 mltplxr chl with 9 control unit positions and up to 256 concurrent subchls	0-4 selector chls; 1 mltplxr chl with 9 control unit positions and up to 256 concurrent subchls	Up to 6 chls control units (SCC, MCCU, or MXCU), 16 chls, and 48 control unit positions	Up to 6 chl control units (SCC, MCCU, or MXCU), 16 chls, and 56 control unit positions
	Features & Comments		Source prog compatible with IBM System/360; opt emulators for IBM 1401, 1410, and ICL 1500; KDP 10 and KDF 8	Source prog compatible with IBM System/360; opt emulators for IBM 1401, 1410, and ICL 1500; KDP 10 and KDF 8	Source prog compatible with IBM System/360; upward compatible with all System 4 procs from System 4-40 up	Source prog compatible with IBM System/360; upward compatible with all System 4 procs from System 4-40 up
WORKING STORAGE	Model Number		4150	4156	4170, 4171	4176, 4177
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	65,536 bytes	65,536 bytes	65,536 bytes	65,536 bytes
		Max	262,144 bytes	262,144 bytes	1,048,576 bytes	1,048,576 bytes
	Max Total Storage	Dec Digits	524,288	524,288	2,097,152	2,097,152
		Char	262,144	262,144	1,048,576	1,048,576
	Cycle Time, μsec		1.44/2 bytes	1.44/2 bytes	0.9/4 bytes interleaved	0.5/4 bytes
	Effect. Xfer Rate, char/sec		520,000	1,388,888	4,000,000	4,000,000-8,000,000
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Write only*	Read and write	Read and write	Read and write
	Features & Comments		128-x 32-bit regs in high-speed scratchpad store with 300 nsec cycle time, incl 4 sets of 16 regs for each of 4 program states	128-x 32-bit regs in high-speed scratchpad store with 300 nsec cycle time, incl 4 sets of 16 regs for each of 4 program states	Interleaved main store giving 0.65 μsec effective cycle; independent drive circuits for each 256K-byte block; high-speed scratchpad store with 100-x 32-bit regs, incl 16 for each of 4 program states	Indpndnt drive circuits 256K bytes each allowing parallel access to dffrnt blcks by CP and chl cntrl units; high-speed scratchpad store w/100-x 32-bit regs, incl 16/prog state

* With optional equipment

	SYSTEM IDENTITY		ICL System 4-75	NCR Century 150	Nixdorf System 900	Philips P 1075
DATA STRUCTURE	Word Length	Binary Bits	8/byte	8/byte	8/byte	8/byte
		Dec Digits	2/byte	2/byte	2/byte	2/byte
		Char	1/byte	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	–
		Fract Size	24 or 56 bits	–	16-128 bits	–
		Exp Size	7 bits + sign	7 bits	7 bits	–
CENTRAL PROCESSOR	Model Number		4071	615-101	900	P 1075
	Arith Radix		Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal
	Operand Length, wds		2-8 / 1-256 bytes	1-256 bytes	1-16 bytes	Up to 204 bytes
	Inst Length, wds		2, 4, or 6 bytes	4 or 8 bytes	2-12 bytes	4 or 8 bytes
	Addresses per Instruction		0, 1, or 2	1 or 2	1 or 2	1 or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	5.3 or 14.5	7.2 + 3.6*	–	53.5
		c=ab	9.4 or 33.0	117**	–	167.5
		c=a/b	14.4 or 39.0	134.4	–	217
	Floating Pt Execute Time, μsec	c=a+b	7.1 or 9.0	+	–	–
		c=ab	10.1 or 16.7	+	–	–
		c=a/b	14.0 or 24.0	+	–	–
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		32	4 types	6	Yes
	No. Index Reg		15 max	63	34 for user program	14
	Indirect Addressing		None	–	Yes, multilevel	2 levels
	Special Editing		Good	–	Good for printing	Good
	Boolean Ops		AND;INC OR;EXC OR	–	AND;INC OR;EXC OR	AND; EXC OR
	Table Look-up		None	–	Compare, Cond. Branch	Yes
	Console Typewriter		Std	Opt	Std	Std
	I/O Channels		Up to 6 chl control units (SCC, MCCU, or MXCU), 16 chls, and 48 control unit positions	2 with 8 positions each; 1 mux with 5 positions; 2 addl chls, opt	1 mltplxr chl; multiple direct store access chls for mag tape, discs	1 integrated batch (selector) chl and 1 catch (mltplxr) chl with 11 concurrent subchls
	Features & Comments		Source prog compatible with IBM System/360; auto translation table for 512 pgs of 4,096-byte virtual mem	* No of decimal digits ** Using opt hdwre feature + By subroutine	Floating-pt fract size user choice of 8-bit multiple between 16 and 128 bits; 1 frac size for all operands; proc avlble in mltsys config,	Basic (fixed-point binary) and decimal instr sets std
WORKING STORAGE	Model Number		4170, 4171	615-101	900	P 1075
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	262,144 bytes	24,576	8,192 bytes	16,384 bytes
		Max	1,048,576 bytes	65,536	262,144 bytes	65,536 bytes
	Max Total Storage	Dec Digits	2,097,152	131,072	524,288	131,072
		Char	1,048,576	65,536	262,144	65,536
	Cycle Time, μsec		0.9/4 bytes interleaved	1.2/2 bytes	1.4	1.0
	Effect. Xfer Rate, char/sec		4,000,000	978,000	1,000,000	470,000
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Read and write	None	Read and write	Read, write
	Features & Comments		Interleaved main store giving 0.65 μsec effective cycle; independent drive circuits for each 256K-byte block; high-speed scratchpad store with 100-x 32-bit regs incl 16/prog state	657-102 dual-spindle exch disc drive (IBM 2314-type) std on all Century 150 configs to hold systems software	Addr intrlvng btwn adj 8K or 32K store "banks," each w/own drives and indpndnt 1.4-μsec cycs; mcrprgrmmd instr and op sys held in read-only store; 12K or 16K 18-bit wrds w/2.5μsec cycle time	

* With optional equipment

	SYSTEM IDENTITY		Philips P 1100	Philips P 1175	Philips P 1200	Philips P 1400
DATA STRUCTURE	Word Length	Binary Bits	8/byte	8	8/byte	8/byte
		Dec Digits	2/byte	2	2/byte	2/byte
		Char	1/byte	1	1/byte	1/byte
	Floating Point Form	Radix	Binary*	Binary*	Binary*	Binary
		Fract Size	24 or 56 bits*	24 or 56 bits*	24 or 56 bits*	24 or 56 bits
		Exp Size	7 bits + sign*	7 bits*	7 bits + sign*	7 bits + sign
CENTRAL PROCESSOR	Model Number		P 1100	P 1175	P 1200	P 1400
	Arith Radix		Binary (or decimal*)	Binary (or decimal*)	Binary (or decimal*)	Binary or decimal
	Operand Length, wds		Up to 204 bytes	Up to 204 bytes	Up to 204 bytes	Up to 204 bytes
	Inst Length, wds		4 or 8 bytes	4 or 8 bytes	4 or 8 bytes	4 or 8 bytes
	Addresses per Instruction		1 or 2	1 or 2	1 or 2	1 or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	53.5	17.5	17.5	17.5
		c=ab	167.5	69.5	69.5	17.0
		c=a/b	217	–	–	16.5
	Floating Pt Execute Time, μsec	c=a+b	67*	26 or 35	26*	9
		c=ab	138*	59 or 73	59*	17
		c=a/b	182*	96	96*	19
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		Yes	Yes	Yes	Yes
	No. Index Reg		14	14	14	14
	Indirect Addressing		2 levels	Yes	2 levels	2 levels
	Special Editing		Good	Excellent	Good	Good
	Boolean Ops		AND; EXC OR	AND; EXC OR	AND; EXC OR	AND; EXC OR
	Table Look-up		Yes	Yes	Yes	Yes
	Console Typewriter		Std	Yes	Std	Std
	I/O Channels		1 or 2 batch (selector) chls and 1 catch (mltplxr) chl with 11 concurrent subchls	1 catch mltplxr with 11 to 19 intrfcs; 1 blk mltplxr w/2 intrfcs; 0-2 batch slctrs each w/2-8 intrfcs	1-3 batch chls, 2-8 cntrl unit interfaces each; 1 catch (mltplxr) chl with 11-19 concurrent subchls	1-6 batch (selector) chls and 1 or 2 catch (mltplxr) chls, each with 11-19 concurrent subchls
	Features & Comments		Basic (fixed-point binary) instr set std; opt decimal, floating-point, and pushdown stack instr sets	Basic (fixed-point binary) instr set std; opt decimal, floating-point and push-down instr sets	Basic (fixed-point binary) instr set std, opt decimal, floating-point, and push-down stack instr sets	Universal instr set std, incl fixed and floating-point binary, decimal, and push-down stack instr
WORKING STORAGE	Model Number		P 1100	P 1175	P 1200	P 1400
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	16,384 bytes	131,072	65,536 bytes	131,072 bytes
		Max	65,536 bytes	262,144	262,144 bytes	524,288 bytes
	Max Total Storage	Dec Digits	131,072	524,288	524,288	1,048,576
		Char	65,536	262,144	262,144	524,288
	Cycle Time, μsec		1.0	0.96	1.0/2 byte access	1.0/4 byte access
	Effect. Xfer Rate, char/sec		870,000	400,000	1,320,000	2,640,000
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Read, write	Yes	Read, write	Read, write
	Features & Comments				2.5-μsec aux core storage can be added in modules of 2,097,152 bytes up to max of 7 modules (14,680,064 bytes) in which programs as well as data can be stored	2.5-μsec aux core storage can be added in modules of 2,097,152 bytes up to max of 7 modules (14,680,064 bytes) in which programs as well as data can be stored

* With optional equipment

SPEC CHART — MEDIUM GENERAL-PURPOSE COMPUTERS (EUROPEAN)

DATA STRUCTURE	SYSTEM IDENTITY		Siemens 4004/35	Siemens 4004/45	Siemens 4004/45-3	Siemens 4004/46
	Word Length	Binary Bits	8/byte	8/byte	8/byte	8/byte
		Dec Digits	2/byte	2/byte	2/byte	2/byte
		Char	1/byte	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	24 or 56 bits	24 or 56 bits	24 or 56 bits	24 or 56 bits
		Exp Size	7 bits	7 bits	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		4004/35	4004/45	4004/45-3	4004/46
	Arith Radix		Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal
	Operand Length, wds		Variable	Variable	Variable	Variable
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		0, 1 or 2	0, 1, or 2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	51 or 80	25 or 42	11.28	25 or 42
		c=ab	163 or 287	82 or 126	69.48	82 or 126
		c=a/b	243 or 206	111 or 209	98.73	111 or 209
	Floating Pt Execute Time, μsec	c=a+b	81 or 116	37 or 53	–	37 or 53
		c=ab	203 or 536	68 or 212	–	68 or 212
		c=a/b	445 or 1282	101 or 305	–	101 or 305
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		Yes, multilevel	Multilevel	Multilevel	Multilevel
	No. Index Reg		16 max	15 max	15 max	15 max
	Indirect Addressing		None	None	None	None
	Special Editing		Good	Good	Good	Good
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		None	None	None	None
	Console Typewriter		Opt	Opt	Opt	Opt
	I/O Channels		0-2 selector chls; 1 mltplxr	0-4 selector chls; 1 mltplxr chl	0-4 selector chls; 1 mltplxr chl	0-4 selector chls; 1 mltplxr chl
	Features & Comments		Source prog compatible with IBM S/360	Source prog compatible with IBM System/360	Source prog compatible with IBM System/360	Source prog compatible with IBM System/360; timesharing for max 48 users
WORKING STORAGE	Model Number		4004/35	4004/45	4004/45-3	4004/46
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	16,384 bytes	32,768 bytes	32,768 bytes	262,144 bytes
		Max	65,563 bytes	524,288 bytes	524,288 bytes	262,144 bytes
	Max Total Storage	Dec Digits	131,072	1,048,576	1,048,576	524,288
		Char	65,536	524,288	524,288	262,144
	Cycle Time, μsec		1.44/2 bytes	1.44/2 bytes	0.96/2 or 1.44/4	1.44 2 bytes
	Effect. Xfer Rate, char/sec		695,000	1,388,888	2,080,000	1,388,888
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Write only*	Read and write	Read and write	Read and write
	Features & Comments		16 general-purpose regs in core storage	128-word (32-bit) scratchpad 300-nsec mem for control reg and 4 sets of 16 general-purpose regs; 4,096-wrd (54-bit) read-only 480-nsec mem	128-wrd (32-bit) scratchpad 300-nsec memory for control reg and 4 sets of 16 general-purpose regs; 4,096-wrd (54-bit) read-only 480-nsec mem	Fast read-only mem facilitates time-shared operations

* With optional equipment

	SYSTEM IDENTITY		Siemens 4004/127	Siemens 4004/135	Siemens 4004/135-2	Siemens 4004/150
DATA STRUCTURE	Word Length	Binary Bits	8/byte	8/byte	8/byte	8 + parity
		Dec Digits	2/byte	2/byte	2/byte	2/byte
		Char	1/byte	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	24 or 56 bits	24 or 56 bits	24 or 56 bits	24 or 56 bits
		Exp Size	7 bits	7 bits	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		4004/127	4004/135	4004/135-2	4004/150
	Arith Radix		Binary or decimal	Binary or decimal	Binary or decimal	Binary or decimal
	Operand Length, wds		Variable	Variable	Variable	1-256 bytes
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		0, 1, or 2	0, 1 or 2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	37.75 or 52	25 or 42	11.28	6.12 or 19.25
		c=ab	92.5 or 150	82 or 134	69.48	15.63 or 21.94
		c=a/b	121.8 or 220	106 or 111	98.73	23.71 or 24.91
	Floating Pt Execute Time, μsec	c=a+b	–	37 or 53	–	7.73 or 10.01
		c=ab	–	68 or 212	–	14.61 or 37.23
		c=a/b	–	101 or 305	–	20.65 or 55.26
	Data Xfer Checks		Parity	Parity	Parity	Parity
	Prog Interrupts		Yes, multilevel	Yes, multilevel	Yes, multilevel	Multilevel
	No. Index Reg		16 max	16 max	16 max	15 max
	Indirect Addressing		None	None	None	None
	Special Editing		Good	Good	Good	Good
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND,INC OR,EXC OR
	Table Look-up		None	None	None	None
	Console Typewriter		Opt	Opt	Opt	Opt
	I/O Channels		0-2 selector chls; 1 mltplxr	0-2 selector chls; 1 mltplxr	0-2 selector chls; 1 mltplxr	2-6 selector chls; 1 mltplxr chl with 2 to 16 concurrent subchls
	Features & Comments		Source prog compatible with IBM S/360	Source prog compatible with IBM S/360	Source prog compatible with IBM 8/360	Prog compatible with IBM System/360
WORKING STORAGE	Model Number		4004/127	4004/135	4004/135-2	4004/150
	Type of Storage		Core	Core	Core	Core
	No. Wds	Min	98,304 bytes	65,536 bytes	65,536 bytes	131,072 bytes
		Max	196,608 bytes	262,144 bytes	393,216 bytes	2,097,152 bytes
	Max Total Storage	Dec Digits	393,216	524,288	786,432	4,194,302
		Char	196,608	262,144	393,216	2,097,152
	Cycle Time, μsec		1.44/2 bytes	1.44/2 bytes	0.96/2 or 1.44/4	0.765/4 bytes
	Effect. Xfer Rate, char/sec		1,388,888	520,000	2,080,000	5,230,000
	Checks		Parity	Parity	Parity	Parity
	Storage Protect		Read and write	Write only*	Read and write	Read and write
	Features & Comments		128-wrd (32-bit) scratchpad 300-nsec mem for control reg and 4 sets of 16 general-purpose regs; 4,096-wrd (54-bit) read-only 480-nsec mem	128-wrd (32-bit) scratchpad 300-nsec mem for control reg and 4 sets of 16 general-purpose regs; 4,096 wrd (54-bit) read-only 480-nsec mem	128-wrd (32-bit) scratchpad 300-nsec mem for control reg and 4 sets of 16 general-purpose regs; 4,096-wrd (54-bit) read-only 480-nsec mem	4 prog states, each with own 16 reg; also has sep 128 wrd (32-bit) scratchpad, 255-nsec mem for control and general-purpose regs; 3,072-wrd (72-bit) read-only 255-nsec mem

* With optional equipment

SPEC CHART — MEDIUM GENERAL-PURPOSE COMPUTERS (EUROPEAN)

DATA STRUCTURE	SYSTEM IDENTITY		Siemens 4004/151	Siemens 4004/230	TR 440/200 Telefunken	Univac 9380
	Word Length	Binary Bits	8 + parity	8/byte	48 + wrd mrk & mod 3	8
		Dec Digits	2/byte	2/byte	–	2
		Char	1/byte	1/byte	6	1
	Floating Point Form	Radix	Binary	Binary	Binary	Binary
		Fract Size	24 or 56 bits	24, 56 or 112 bits	38 bits	24 or 56 bits
		Exp Size	7 bits	7 bits	7 bits hexadecimal	7 bits
CENTRAL PROCESSOR	Model Number		4004/151	4004/230	RD 435	9380
	Arith Radix		Binary or decimal	Binary or decimal	Binary	Decimal or binary
	Operand Length, wds		1-256 bytes	Variable	1/2 or 1 fixed point	1-256 bytes
	Inst Length, wds		2, 4, or 6 bytes	2, 4 or 6 bytes	1/2 or 1	2, 4, or 6 bytes
	Addresses per Instruction		0, 1, or 2	0, 1, 2 or 3	1	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	6.8 or 21.2	NA	1.9	–
		c=ab	16.3 or 24.0		6.8	–
		c=a/b	28.9 or 27.3		24.0	–
	Floating Pt Execute Time, μsec	c=a+b	8.4 or 10.7	NA	4.0	–
		c=ab	15.3 or 39.3		6.7	–
		c=a/b	22.1 or 60.5		23.2	–
	Data Xfer Checks		Parity	Parity	Modulus 3	Parity
	Prog Interrupts		Multilevel	Multilevel	Multilevel	6 levels
	No. Index Reg		15 max	16 max/prog level	256/main program	32 max
	Indirect Addressing		None	None	None	None
	Special Editing		Good	Excellent	–	Good
	Boolean Ops		AND,INC OR,EXC OR	AND,INC OR,EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR
	Table Look-up		None	None	–	None
	Console Typewriter		Opt	Std; CRT opt	Yes	Std
	I/O Channels		2-6 selector chls; 1 mltplxr chl with 2-16 concurrent subchls	I/O proc controls 1 byte-mltplxr channel std; 1-2 blk-mltplx chs with selector mode opt	4-12 std chls 700 kb/sec each; 1-4 HS chls, 1-3.5 mb/sec each; max total, 15 mb/sec	1 mltplxr chl with 8 subchls; 0-1 selector chl
	Features & Comments		Prog compatible with IBM System/360, content-addressable virtual mem up to 2,048 pages of 4,096 bytes	Mltplxr sys comprising 1 CPU, 1 IOP, 1 service proc; source prog-compatible IBM System/370, incl virtual addr capability	Index reg held in KSP 240 fast core store, expdbl in 256 reg blks from min 256; virtual mem up to 2,048 pages of 1,024 wrds	2 sets of 16 general-purpose regs; prog compatible with 9200, 9300, and 9400; field-epndbl to 9400
WORKING STORAGE	Model Number		4004/151	4004/230	KSP 240	9380
	Type of Storage		Core	MOS	Core	Plated wire
	No. Wds	Min	393,216 bytes	65,536 bytes	65,536	65,536
		Max	2,097,152 bytes	262,144 bytes	262,144	131,072
	Max Total Storage	Dec Digits	4,194,302	524,288	–	262,144
		Char	2,097,152	262,144	1,572,864	131,072
	Cycle Time, μsec		0.765/4 bytes	0.6/8 bytes	1.5	0.6/2 bytes
	Effect. Xfer Rate, char/sec		4,000,000	3,000,000	15,000,000	333,000 (selector)
	Checks		Parity	Self-correcting (1-bit)	Mod 3 chk on word	Parity
	Storage Protect		Read and write	Read and write	Read and write	Opt
	Features & Comments		4 prog states, each with own 16 reg; also has sep 128-wrd (32-bit) scratchpad 255-nsec mem for control and general-purpose regs; 3,072-wrd (72-bit) read-only 255-nsec mem	Virtual addr for main storage; scratchpad store holding 4 sets of 16 GP regs for each of 4 prog states; loadable store for microprogrammed instr set		

SPECIFICATION CHARTS

Large and Very Large General-Purpose Computers

DATA STRUCTURE	SYSTEM IDENTITY		Burroughs B B 6711, B 6712, B 6721, B 6722 (2.5 mHz CPUs)	Burroughs B 6714, B 6724, B 6734 (5.0 mHz CPUs)	Burroughs B 7712, B 7724, B 7748 (16.0 mHz CPUs)	CDC 6200	CDC 6400 & 6500
	Word Length	Binary Bits	48 + 1 parity + 3 tag	48 + 1 parity + 3 tag	48 + 1 parity + 11 cntrl	60	60
		Dec Digits	12	12	12	—	—
		Char	6 or 8	6 or 8	6 or 8	10	10
	Floating Point Form	Radix	Octal	Octal	Octal	Binary	Binary
		Fract Size	39 or 78 bits + sign	39 or 78 bits + sign	39 or 78 bits + sign	48/96 bits	48 or 96 bits
		Exp Size	6 or 12 bits + sign	6 or 12 bits + sign	6 or 12 bits + sign	11 bits + sign	11 bits + sign
CENTRAL PROCESSOR	Model Number		B 6722 includes 2 CPUs; others include 1	B 6714, B 6724, & B 6734 include 1, 2, & 3 CPUs	B 7712 includes 1 CPU; B 7724 includes 2; B 7748 includes 4	6214, 6215	6413/6414/6415/6513/ 6514
	Arith Radix		Octal	Octal	Octal	Binary	Binary
	Operand Length, wds		1 or 2 words	1 or 2 words	1 or 2 words	1	1
	Inst Length, wds		1 to 18 8-bit syllables	1 to 18 8-bit syllables	1 to 18 8-bit syllables	1/4 or 1/2	1/4 or 1/2
	Addresses per Instruction		0 or 1	0 or 1	0 or 1	3	3
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	39.6	5.6	1.1	—	2.1
		c=ab	17.6	10.0	2.2	—	—
		c=a/b	39.6	21.0	4.5	—	—
	Floating Pt Execute Time, μsec	c=a+b	8.8	5.6	1.1	—	2.0
		c=ab	17.6	10.0	2.2	—	7.1
		c=a/b	39.6	21.0	4.5	—	7.1
	Data Xfer Checks		Parity	Parity	Parity, auto correction	None	None
	Prog Interrupts		External & internal	External & internal	External & internal	Yes	Yes
	No. Index Reg		Via instructions	Via instructions	Via instructions	8	8
	Indirect Addressing		Extensive	Extensive	Extensive	None	None
	Special Editing		Extensive	Extensive	Extensive	None	None
	Boolean Ops		AND, OR, EQV, Negate	AND, OR, EQV, Negate	AND, OR, EQV, Negate	AND, INC OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		Extensive	Extensive	Extensive	None	None
	Console Typewriter		CRT displays	CRT displays	CRT displays	Yes	Yes
	I/O Channels		Independent I/O processors, each configurable with up to 10 floating channels and 4 data communications processors	Independent I/O processors, each configurable with up to 10 floating channels and 4 data communications processors	Independent I/O processors, each configurable w/19 I/O controls, 4 data communications processors, and 8 disc controls	9 to 24	12 standard; up to 156*
	Features & Comments		CPUs in multiprocessor systems are independent; systems with multiple I/O processors are configurable	CPUs in multiprocessor systems are independent; systems with multiple I/O processors are configurable	CPUs in multiprocessor systems are independent; systems w/multiple I/O processors are configurable; 1-bit error correction and 2-bit error detection for xfers	Can support 7 to 10 peripheral processors	CDC 6500 systems use two 6400-style processors
WORKING STORAGE	Model Number		B 6004-1/B 6005-1/ B 6006-1		B 7001-2 and B 7001-4	6214, 6215	Central Memory
	Type of Storage		Core		Core	Core	Core
	No. Wds	Min	16,384/65,536/16,384		131,072/262,144	32,768	32,768
		Max	4,194,304		2,097,152	65,536	131,072
	Max Total Storage	Dec Digits	50,331,648		25,165,824	—	—
		Char	33,554,432		16,777,216	655,360	1,310,620
	Cycle Time, μsec		1.2/1.5/0.5		1.5/1.5	1.0	1.0
	Effect. Xfer Rate, char/sec		1,600,000 (peak)		—	10,000,000	100,000,000
	Checks		Parity		Parity; auto correction	None	None
	Storage Protect		At word level		At word level	For each program	For each program
	Features & Comments		1 to 64 memory modules/system; can intermix modules with different cycle times in same system; up to 6 data paths for CPU and I/O processors		Basic B 7712 includes 2 x 2 exchange, basic B 7724 a 4 x 4 exchange, and B 7748 an 8 x 8 exchange; right number denotes number of configurable memory modules and left number the quantity of I/O processors and CPUs	Can support 125K or 250K words of extended core storage via options	Each of 10 peripheral processors has 4,096 12-bit words of 1-μsec core memory; CDC 6500 has 65,536- or 131,072-word core storage

* With optional equipment NA — Not Available

DATA STRUCTURE	SYSTEM IDENTITY		CDC 6600	CDC 7600			
	Word Length	Binary Bits	60	60 + 4 or 5 parity			
		Dec Digits	—	—			
		Char	10	10			
	Floating Point Form	Radix	Binary	Binary			
		Fract Size	48 or 96 bits	48/96 bits			
		Exp Size	11 bits + sign	11 bits + sign			
CENTRAL PROCESSOR	Model Number		6613/6614/6615	7613-1/7614-1 7615-1/7616-1			
	Arith Radix		Binary	Binary			
	Operand Length, wds		1	1			
	Inst Length, wds		1/4 or 1/2	1/4 or 1/2			
	Addresses per Instruction		3	3			
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	1.0	0.55			
		c=ab	—	—			
		c=a/b	—	—			
	Floating Pt Execute Time, μsec	c=a+b	1.0	1.1			
		c=ab	1.2	1.375			
		c=a/b	3.1	5.5			
	Data Xfer Checks		None	Yes			
	Prog Interrupts		Yes	Yes			
	No. Index Reg		8	18			
	Indirect Addressing		None	None			
	Special Editing		None	None			
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR			
	Table Look-up		None	None			
	Console Typewriter		Yes	Yes			
	I/O Channels		12 standard; up to 156*	7 standard, up to 15 optional; 7 peripheral processors standard, up to 13 optional			
	Features & Comments		Can execute up to 10 instructions concurrently	CPU includes 9 arithmetic units, 12-instruction-wd stack, 24 opt rgstrs, large core mem (lcm), small core mem (scm), main cntrl unit, card rdr, and display			
WORKING STORAGE	Model Number		Central Memory	7613-1	7614-1	7615-1	7616-1
	Type of Storage		Core	Core	Core	Core	Core
	No. Wds	Min	32,768	65K (scm); 512K (lcm)	65K (scm); 256K (lcm)	32K (scm); 512K (lcm)	32K (scm); 256K (lcm)
		Max	131,072	65K (scm); 512K (lcm)	65K (scm); 256K (lcm)	32K (scm); 512K (lcm)	32K (scm); 256K (lcm)
	Max Total Storage	Dec Digits	—	—	—	—	—
		Char	1,310,620	5,775,360	3,215,360	5,447,680	2,887,680
	Cycle Time, μsec		1.0	0.275(scm), 1.76(lcm)	0.275(scm), 1.76(lcm)	0.275(scm), 1.76(lcm)	0.275(scm), 1.76(lcm)
	Effect. Xfer Rate, char/sec		100,000,000	36,363K or 5,681K	36,363K or 5,618K	36,363K or 5,618K	36,363K or 5,618K
	Checks		None	Parity	Parity	Parity	Parity
	Storage Protect		For each program	For each program	For each program	For each program	For each program
	Features & Comments		Each of 10 peripheral processors has 4,096 12-bit words of 1-μsec core memory	Each peripheral processor (PPU) has 4K 12-bit words of 275-nsec read/write memory; data structure includes 4 parity for lcm but 5 parity for scm	Each peripheral processor (PPU) has 4K 12-bit words of 275-nsec read/write memory; data structure includes 4 parity for lcm but 5 parity for scm	Each peripheral processor (PPU) has 4K 12-bit words of 275-nsec read/write memory; data structure includes 4 parity for lcm but 5 parity for scm	Each peripheral processor (PPU) has 4K 12-bit words of 275-nsec read/write memory; data structure includes 4 parity for lcm but 5 parity for scm

*With optional equipment NA — Not Available

DATA STRUCTURE	**SYSTEM IDENTITY**		CDC Cyber 70			HIS 6000 Series Model 6050	HIS 6000 Series Model 6060
	Word Length	Binary Bits	60			36 + parity	36 + parity
		Dec Digits	10			6 or 9 bits	6 or 9 bits
		Char	10			6 or 9 bits	6 or 9 bits
	Floating Point Form	Radix	Binary			Binary	Binary
		Fract Size	48 bits			28 and 64 bits	28 and 64 bits
		Exp Size	11 bits + sign			8 bits	8 bits
CENTRAL PROCESSOR	**Model Number**		72/73	74	76	CS605	CS606
	Arith Radix		Binary	Binary	Binary	Binary	Binary
	Operand Length, wds		1	1	1	1 or 2	1 or 2
	Inst Length, wds		1/4 or 1/2	1/4 or 1/2	1/4 or 1/2	1 or 2	1 or 2
	Addresses per Instruction		3	3	3	1	1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	2.1	1.0	0.55	5.5	5.5
		c=ab	9.3	2.6	NA	7.3	7.3
		c=a/b	10.6	5.2	NA	11.0	11.0
	Floating Pt Execute Time, μsec	c=a+b	2.0	1.0	1.1	5.9	5.9
		c=ab	7.1	1.2	1.375	7.3	7.3
		c=a/b	7.1	3.1	6.5	11.0	11.0
	Data Xfer Checks		None	None	Parity	Parity	Parity
	Prog Interrupts		Yes	Yes	Yes	Yes	Yes
	No. Index Reg		8	8	8	8	8
	Indirect Addressing		None	None	None	Yes	Yes
	Special Editing		None	None	None	No	Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, EXC OR	AND, OR, EXC OR	AND, OR, EXC OR
	Table Look-up		No	No	No	No	No
	Console Typewriter		Yes	Yes	Yes	Optional	Optional
	I/O Channels		12 to 24 I/O channels in PPUs; Distributed Data Path connects ECS to I/O channels	12 to 24 I/O channels in PPUs; Distributed Data Path connects ECS to I/O channels	7 to 15 bidirectional I/O channels in PPUs	8 to 96	8 to 96
	Features & Comments		Comes with 10 PPUs; increments of 4, 3, and 3 may be added for totals of 14, 17 and 20	Comes with 10 PPUs; increments of 4, 3, and 3 may be added for totals of 14, 17 and 20	Comes with 6 PPUs; 7 may be added	Program compatible with HIS 400 and 600 Series	Program compatible with HIS 400 and 600 Series
WORKING STORAGE	**Model Number**		72/73/74		76	CS605	CS606
	Type of Storage		Core		Core	Core	Core
	No. Wds	Min	32,768		32K (scm); 256K (lcm)	98,304	98,304
		Max	131,072		64K (scm); 512K (lcm)	262,144	262,144
	Max Total Storage	Dec Digits	1,310,620		640K(scm);5,120K(lcm)	1,048,576	1,048,576
		Char	1,310,620		640K(scm);5,120K(lcm)	1,048,576	1,048,576
	Cycle Time, μsec		1		0.275(scm);1,760(lcm)	1.2/2 words	1.2/2 words
	Effect. Xfer Rate, char/sec		100,000,000 max		363.6M	3,700,000	3,700,000
	Checks		None		Parity	Parity	Parity
	Storage Protect		Yes		Yes	Read and write	Read and write
	Features & Comments		Optional extended core also available		Both large core memory (lcm) and small core memory (scm) included	Multiple processors can access a storage module; built-in timer	Multiple processors can access a storage module; built-in timer

* With optional equipment NA — Not Available

DATA STRUCTURE	SYSTEM IDENTITY		HIS 6000 Series Model 6070	HIS 6000 Series Model 6080	IBM System/360 Model 65	IBM System/360 Model 67	IBM System/360 Model 75
	Word Length	Binary Bits	36 + parity	36 + parity	8/byte	8/byte	8/byte
		Dec Digits	6 or 9 bits	6 or 9 bits	2/byte	2/byte	2/byte
		Char	6 or 9 bits	6 or 9 bits	1/byte	1/byte	1/byte
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	Binary
		Fract Size	28 and 64 bits	28 and 64 bits	24 or 56 bits	24 or 56 bits	24 or 56 bits
		Exp Size	8 bits	8 bits	7 bits	7 bits	7 bits
CENTRAL PROCESSOR	Model Number		CS607	CS608	2065	2067	2075
	Arith Radix		Binary	Binary	Binary or decimal	Binary or decimal	Binary or decimal
	Operand Length, wds		1 or 2	1 or 2	Variable	Variable	Variable
	Inst Length, wds		1 or 2	1 or 2	2, 4, or 6 bytes	2, 4, or 6 bytes	2, 4, or 6 bytes
	Addresses per Instruction		1	1	0, 1, or 2	0, 1, or 2	0, 1, or 2
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	2.4	2.4	3.5 or 9.0	4.2 or 9.7	2.3 or 7.3
		c=ab	5.3	5.3	7.0 or 32	7.7 or 33	5.1 or 25
		c=a/b	9.0	9.0	11 or 47	12 or 48	9.0 or 33
	Floating Pt Execute Time, μsec	c=a+b	3.4	3.4	4.7 or 4.8	5.4 or 5.5	2.4
		c=ab	4.8	4.8	6.1 or 9.7	6.8 or 10.4	3.6 or 5.6
		c=a/b	9.2	9.2	9.3 or 16	10.0 or 16.9	5.4 or 8.6
	Data Xfer Checks		Parity	Parity	Parity	Parity	Parity
	Prog Interrupts		Yes	Yes	5 classes	5 classes	5 classes
	No. Index Reg		8	8	15 max	25 max	15 max
	Indirect Addressing		Yes	Yes	None	8-register assoc memory	None
	Special Editing		No	Good	Good	Good	Good
	Boolean Ops		AND, OR, EXC OR	AND, OR, EXC OR	AND, INC OR, EXC OR	AND, INC, OR, EXC OR	AND, INC OR, EXC OR
	Table Look-up		No	No	None	None	None
	Console Typewriter		Optional	Optional	Optional	Optional	Optional
	I/O Channels		8 to 96	8 to 96	0 to 6 selector channels; 0 or 1 multiplexor channel	1 to 2 channel controllers; up to 7 channels per controller	0 to 6 selector channels; 0 or 1 multiplexor channel
	Features & Comments		Program compatible with HIS 400 and 600 Series	Program compatible with HIS 400 and 600 Series	Available in multiprocessor configurations	Special hardware facilitates time sharing operations	
WORKING STORAGE	Model Number		CS607/CS608		2065	2067	2075
	Type of Storage		Core		Core	Core	Core
	No. Wds	Min	131,072 (2 controllers)		131,072 bytes	262,144 bytes	262,144 bytes
		Max	262,144 (2 controllers)		1,048,576 bytes	2,097,152	1,048,576 bytes
	Max Total Storage	Dec Digits	1,048,576		2,097,152	4,194,304	2,097,152
		Char	1,048,576		1,048,576	2,097,152	1,048,576
	Cycle Time, μsec		0.5/2 words		0.75 per 8 bytes	0.75 per 8 bytes	0.75 per 8 bytes
	Effect. Xfer Rate, char/sec		6,000,000		4,760,000 max	4,760,000 max	5,857,000 max
	Checks		Parity		Parity	Parity	Parity
	Storage Protect		Read and write		Read and write	Read and write	Read and write
	Features & Comments		Multiple processors can access a storage module; built-in timer		Interleaving improves sequential access rate	1 or 2 central processors and 1 to 8 independent 262,144-byte modules per system	Interleaving improves sequential access rate

* With optional equipment NA — Not Available

DATA STRUCTURE	SYSTEM IDENTITY		IBM System/370 Model 165	IBM System/360 Model 195	Univac 1110		Univac 1110 x 1
	Word Length	Binary Bits	8/byte	8/byte	36 + 2 parity		36 + 2
		Dec Digits	2/byte	2/byte	4.5		4.5
		Char	1/byte	1/byte	6		6
	Floating Point Form	Radix	Binary	Binary	Binary		Binary
		Fract Size	24, 56, or 112 bits	24, 56, or 112 bits	27 or 60 bits + sign		27 or 60 bits + sign
		Exp Size	7 bits	7 bits	8 or 11 bits		8 or 11 bits
CENTRAL PROCESSOR	Model Number		3165	2195	3023-99		3023-95
	Arith Radix		Binary or decimal	Binary or decimal	Binary or decimal		Binary or decimal
	Operand Length, wds		Variable	Variable	1 or 2		1 or 2
	Inst Length, wds		2, 4, or 6 bytes	2, 4, or 6 bytes	1		1
	Addresses per Instruction		0, 1, or 2	0, 1, or 2	1		1
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	0.16 or 1.0 + 0.08D	0.16	NA		NA
		c=ab	0.78/0.42* or 2.7	0.65	NA		NA
		c=a/b	1.96 or 11.9	2.11	NA		NA
	Floating Pt Execute Time, μsec	c=a+b	0.3 or 0.4 or 1.57	0.11	NA		NA
		c=ab	1.9 or 1.2 or 10.0 (1)	0.16	NA		NA
		c=a/b	2.65 or 1.7	0.59 or 0.49	NA		NA
	Data Xfer Checks		Error correction code	Parity	Parity		Parity
	Prog Interrupts		5 classes	5 classes	Multilevel		Multilevel
	No. Index Reg		16 + 4 floating point	15 max	15		15
	Indirect Addressing		None	None	Recursive		Recursive
	Special Editing		Excellent	Good	Good		Good
	Boolean Ops		AND, INC OR, EXC OR	AND, INC OR, EXC OR	AND, INC OR, EXC OR		AND, INC OR, EXC OR
	Table Look-up		None	None	Good		Good
	Console Typewriter		Required option	Optional	Yes		Yes
	I/O Channels		7 to 12*; choice of selector, block multiplexor, or byte multiplexor	7 to 14*; choice of selector, block multiplexor, or byte multiplexor	8 to 24 channels per IOAU; 1 to 4 IOAUs per system		8 to 24 channels per IOAU; 1 IOAU per system
	Features & Comments		80-nsec, 16K buffer; 12 more instructions than 360; instruction and channel retry; time-of-day clock; high-resolution interval timer	8-byte parallel data flow; overlapped operation of instruction and execution units possible	Multiprocessor configurations only		Single processor configuration*
WORKING STORAGE	Model Number		3165	2195	Main Memory	Extended Storage	Main Memory
	Type of Storage		Core	Core	Thin film	Core	Thin film
	No. Wds	Min	512,288 bytes	1,048,576 bytes	98,403	262,144	32,768
		Max	3,145,728 bytes	4,194,304 bytes	262,144	1,048,576	262,144
	Max Total Storage	Dec Digits	6,291,456	8,388,608	1,179,864	4,718,592	1,179,864
		Char	3,145,728	4,194,304	1,572,864	6,291,456	1,572,864
	Cycle Time, μsec		2.0 per 32 bytes	0.75 per 8 bytes	0.32 read; 0.52 write	1.5	.32 read; .52 write
	Effect. Xfer Rate, char/sec		56,987,826 (2)	4,760,000 max	18,750,000	4,000,000	—
	Checks		Error correction code	Parity, error correct	Parity chk on halfwd	Parity chk on halfwd	Parity chk on halfwd
	Storage Protect		Fetch and store	Read and write	Read and write, in 512-word blocks	Read and write, in 512-word blocks	Read and write in 512-word blocks
	Features & Comments		Max throughput: 8 million bytes/sec; available 6/71; 7090/94 and 7070/74 emulation is available (1) With high-speed multiply: 0.6 or 0.5 or 3.7 μsec (2) Using Long Move instruction	54-nsec buffer memory holds 32,768 bytes	Both main memory and extended storage required in all 1110 systems	Both main memory and extended storage required in all 1110 systems	* Converts to model 3029-99 via the 3020-00 Processor Expansion Unit

* With optional equipment NA — Not Available

DATA STRUCTURE	SYSTEM IDENTITY		Burroughs B6500		IBM System/370 Model 168
	Word Length	Binary Bits	48 + 1 parity + 3 tag		8/byte
		Dec Digits	12		2/byte
		Char	6		1/byte
	Floating Point Form	Radix	Binary		Binary
		Fract Size	96 bits		24, 56, or 112 bits
		Exp Size	15 bits		7 bits
CENTRAL PROCESSOR	Model Number		B6503, B6504, B6506		3168
	Arith Radix		Binary or decimal		Binary or decimal
	Operand Length, wds		1 or 2		Variable
	Inst Length, wds		1-12 8-bit syllables		2, 4, or 6 bytes
	Addresses per Instruction		0 or 1		0, 1, 2, or 3
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	—		NA
		c=ab	—		NA
		c=a/b	—		NA
	Floating Pt Execute Time, μsec	c=a+b	—		NA
		c=ab	—		NA
		c=a/b	—		NA
	Data Xfer Checks		Parity		Error correction code
	Prog Interrupts		Priority		5 classes
	No. Index Reg		Variable		16
	Indirect Addressing		Yes		Multilevel
	Special Editing		Good		Excellent
	Boolean Ops		AND; INC OR; NOT		AND, INC OR, EXC OR
	Table Look-up		Yes		None
	Console Typewriter		Optional		NA
	I/O Channels		1 or 2 multiplexors		7 channel frames or 12 channels is maximum
	Features & Comments		Normal configurations are multiprocessor		3 types of channel: selector, multiplexor, and block multiplexor; high-speed multiply optional
WORKING STORAGE	Model Number		B6001-2 thru B6032-2	B6001-3 thru B6032-3	3168
	Type of Storage		Core	Core	Monolithic
	No. Wds	Min	16,384	16,384	1,048,576 bytes
		Max	131,072/524,288	524,288	8,388,608 bytes
	Max Total Storage	Dec Digits	6,291,456	6,291,456	16,777,216 bytes
		Char	3,145,728	3,145,728	8,388,608 bytes
	Cycle Time, μsec		1.2	0.6	0.8
	Effect. Xfer Rate, char/sec		100M-500M	100M-500M	NA
	Checks		Parity	Parity	Error correction code
	Storage Protect		Read with lock	Read with lock	Fetch and store
	Features & Comments		B6503, B6504 only	B6506 only	4-byte transfer; includes up to 16,384 bytes of buffer storage

SPECIFICATION CHART

Large General-Purpose Computers (European)

DATA STRUCTURE	SYSTEM IDENTITY		CII Iris 80	ICL 1906A	ICL 1906S	Telefunken TR 440/400	
	Word Length	Binary Bits	32 + 1 parity	24 + parity	24 + parity	48 + 4 wrd mrk & mod	
		Dec Digits	8/word	–	–	–	
		Char	4/word	4	4	6	
	Floating Point Form	Radix	Binary	Binary	Binary	Binary	
		Fract Size	24 or 56 bits	74 bits	74 bits	38 bits	
		Exp Size	7 bits + sign	8 bits + sign	8 bits + sign	7 bits hexadecimal	
CENTRAL PROCESSOR	Model Number		–	2080	2085	RD 441	
	Arith Radix		Binary or decimal	Binary	Binary	Binary	
	Operand Length, wds		1/2, 1, or 2 words	1, 2 fxd pt; 4 fltg pt	1, 2 fxd pt; 4 fltg pt	1/2 or 1 fixed point;	
	Inst Length, wds		1 word	1	1	1/2 or 1	
	Addresses per Instruction		1 or 2	1	1	1	
	Fixed Pt Execute Time, μsec (5 digit min precision)	c=a+b	NA	4.1 or 3.27 (1)	2.9 or 2.4 (1)	1.12	
		c=ab	NA	4.9 or 4.3 (1)	3.5 or 3.1 (1)	4.0	
		c=a/b	NA	7.6	5.5	14.4	
	Floating Pt Execute Time, μsec	c=a+b	NA	4.2 or 3.51 (1)	3.0 or 2.5 (1)	2.4	
		c=ab	NA	6.5 or 5.91 (1)	4.7 or 4.3 (1)	4.0	
		c=a/b	NA	12.1 or 11.5 (1)	8.7 or 8.3 (1)	14.0	
	Data Xfer Checks		Parity	Parity	Parity	Mod 3	
	Prog Interrupts		222	Multilevel	Multilevel	Multilevel	
	No. Index Reg		7/program	3/main program	3/main program	256/main program	
	Indirect Addressing		Multilevel	By addtnl instruction	By addtnl instruction	None	
	Special Editing		Good	None	None	–	
	Boolean Ops		AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	AND;INC OR;EXC OR	
	Table Look-up		No	None	None	–	
	Console Typewriter		Std	Yes	Yes	Yes	
	I/O Channels		Up to 6 or 7 direct (UED) or mltplxr (UEM) controls for up to 16 simultaneous chls/system, 30 or 32 interfaces each	Autonomous Peripheral Processing Unit (PPU) with 10-30 slow, 4-14 fast, and 0-5 high-speed chls	Autonomous Peripheral Processing Unit (PPU) with 10-24 slow, 4-14, fast, and 0-5 high-speed chls	4-12 std chls 700Kbs each 1-4 HS chls 1-3.5 Mbs each max total 20 Mbs	
	Features & Comments		Can run in 10070 mode to execute 10070 prog; mltproc config with 2 CPs addressing common main store poss; opt progd I/O unit	Fully compat with other 1900 systems; mltprogng, 63 main progs; Autonomous Floating-Point-Unit (FPU); opt paging unit	Fully compat with other 1900 systems; mltprogng, 63 main progs; Autonomous Floating-Point-Unit (FPU); opt paging unit	Index reg held in KSP 240 fast core store, expdbl in 256 reg blocks from min 256; virtual mem up to 2,048 pages of 1,024 wrds	
WORKING STORAGE	Model Number		–	2080	2085	KSP 240	MSP 480
	Type of Storage		Core	Core	Plated wire	Core	Core
	No. Wds	Min	65,536	65,536	65,536	65,536	524,288
		Max	1,048,576	524,288	524,288	262,144	2,097,152
	Max Total Storage	Dec Digits	8,388,608	–	–	–	–
		Char	4,194,304	2,097,152	2,097,152	1,572,864	12,582,912
	Cycle Time, μsec		0.65	0.75 (48-bit dblwrd)	0.3 (48-bit dblwrd)	0.9 interl	2.1
	Effect. Xfer Rate, char/sec		3,500,000/UED	5,000,000	11,000,000	20,000,000	3,000,000
	Checks		Parity	Parity chk on wrd	Parity chk on wrd	Mod 3 chk on wrd	
	Storage Protect		Read, write	Read/write 64-wrd blk	Read/write 64-wrd blk	Read and write	
	Features & Comments		Up to 16 blocks of 32K or 64K wrds, each with own circuits allowing parallel access by 1 or 2 CPUs and up to 6 or 7 UEDs or UEMs to different store blocks; virtual mem addressing of store	Hrdwr arithmetic regs 0-7; dblwrd access; independent store cycles each 64K-wrd block with 2- or 4-way address interleaving; simultaneous access to different store blocks by main processing unit, FPU, and PPU	Hrdwr arithmetic regs 0-7; dblwrd access; independent store cycles, each 65K-wrd block with 2- or 4-way address interleaving; simultaneous access to different store blocks by main processing unit, FPU, and PPU	2-way intlv from 64K wrd 4-way from 128K wrds, 8-way for 256K wrds	Independent store cycles for each 512K wrd block

PRICE DATA

Model Number	Description	Monthly Rental $	Purchase $
	The following reflects a pricing change recently effected by Burroughs. Maintenance prices are not available at this time. However, Burroughs has unofficially indicated that maintenance prices were increased 5% effective 6/1/74. Prices will be printed as soon as they become available.		
	CENTRAL PROCESSORS & WORKING STORAGE		
	System: 2700		
	Processors		
B 2761-1	System withdrawn	–	–
B 2771-1	System (no configuration changes)	3,405	155,370
B 2772	System withdrawn	–	–
	System: 3700		
	Processors		
B 3741-1	System (no configuration changes)	4,805	223,500
B 3771	System (no configuration changes)	4,670	215,755
B 3772	System (no configuration changes)	10,370	482,495
	Processor Storage		
B 3015-2	150,000 Bytes IC Memory (additional 50KB)	500	23,100
B 3020-2	200,000 Bytes IC Memory (additional 100KB)	1,000	46,200
B 3025-2	250,000 Bytes IC Memory (additional 150KB)	1,500	69,300
B 3030-2	300,000 Bytes IC Memory (additional 200KB)	2,000	92,400
B 3035-2	350,000 Bytes IC Memory (B 3771/2 only) (additional 250KB)	2,500	115,500
B 3040-2	400,000 Bytes IC Memory (B 3771/2 only) (additional 300KB)	3,000	138,600
B 3045-2	450,000 Bytes IC Memory (B 3771/2 only) (additional 350KB)	3,500	161,700
B 3050-2	500,000 Bytes IC Memory (B 3771/2 only) (additional 400KB)	4,000	184,800
	System: 4700		
	Processors		
B 4704-1	System (no configuration changes)	5,700	263,340
	System: 4700 (Contd.)		
B 4708	System (no configuration changes)	6,000	277,200
B 4711-1	System (no configuration changes)	7,085	329,775
B 4712-1	System (no configuration changes)	10,865	505,020
B 4713-1	System (no configuration changes)	16,925	785,600
B 4714-1	System (no configuration changes)	22,980	1,066,180
B 4731	System (no configuration changes)	7,385	343,630
B 4732	System (no configuration changes)	11,345	527,195
B 4733	System (no configuration changes)	17,700	821,635
B 4734	System (no configuration changes)	24,060	1,116,075
B 4771	System (no configuration changes)	6,400	296,750
B 4781	System (no configuration changes)	7,785	363,185
B 4782	System (no configuration changes)	11,985	556,765
B 4783	System (no configuration changes)	18,745	870,755
B 4784	System (no configuration changes)	25,500	1,184,745
	Processor Storage		
B 4020-1	200,000 Bytes Core Memory	630	29,105
B 4025-1	250,000 Bytes Core Memory	1,260	58,210
B 4030-1	300,000 Bytes Core Memory	1,890	87,315
B 4035-1	350,000 Bytes Core Memory	2,520	116,420
B 4040-1	400,000 Bytes Core Memory	3,150	145,525
B 4045-1	450,000 Bytes Core Memory	3,780	174,630
B 4050-1	500,000 Bytes Core Memory	4,410	203,735

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSORS & WORKING STORAGE			
	System: 2700			
	Processors			
B2731	CPU (1.0 mHz; 2 mb/sec I/O subsystem with 6 channels, max 3 type B; 30-kb core memory)	1675	75,020	169
B2751	CPU (same as B2731 except 2.0 mHz)	3043	143,680	169
B2761-1	CPU (same as 2741 except 60-kb core memory)	3406	155,368	416
B2771-1	CPU (same as 2751 except 60-kb core memory)	4774	222,028	416
B2772	2 CPUs (each CPU same as B2751; with 2 disc file controls and control adapters; disc file N1 x N2; file protect memory with 16-word memory; independent aux power cabinet)	9406	437,563	577
	Processor Options			
B2098	Optional Independent Aux Power Cabinet (for B2376 F.P.M. and/or B2490 MTU Exchange and/or B2472 Basic D.F. Exchange Extension)	250	12,000	10
B2099	Floating-Point Arithmetic	54	2592	7
	Interconnection Features			
B2301	Type A I/O Channel	27	1296	5
B2302	Type B I/O Channel	54	2592	10
	Processor Storage			
B2001-2	Add'l 10-kb Core Memory	305	13,060	10
B2002-2	Add'l 20-kb Core Memory	610	26,120	15
B2003-2	Add'l 30-kb Core Memory	915	39,180	21
B2009-2	90-kb Core Memory	300	14,100	21
B2012-2	120-kb Core Memory	600	28,200	41
B2015-2	150-kb Core Memory	900	42,300	62
B2018-2	180-kb Core Memory(1)	1200	56,400	93
B2021-2	210-kb Core Memory(1)	1500	70,500	123
B2024-2	240-kb Core Memory(1)	1800	84,600	154
B2030-2	300-kb Core Memory(1)	2400	112,800	216
	Consoles			
B2342	Console (standing level)	15	720	—
	System: 3700			
	Processors			
B3741-1	CPU (2.0 mHz; 3 mb/sec I/O subsystems with 8 channels, max 4 type B; 100-kb IC memory)	5655	262,945	550
B3771	CPU (3.0 mHz; 3 mb/sec I/O system with 8 channels, max 4 type B; 100-kb IC memory)	5770	266,575	344
B3772	2 CPUs (3.0 mHz; two, 3 mb/sec I/O subsystems with 18 channels, max 10 type B; 100-kb IC memory per processor; 2 disc file controls and adapters; disc file N1 x N2 exchange; file protect memory with 16-word memory; independent aux power cabinet)	13,167	611,682	862
	Processor Options			
B3098	Optional Independent Aux Power Cabinet (for B3376 F.P.M. and/or B3490 MTU Exchange and/or B3472 Basic D.F. Exchange and/or B3472-7 D.F. Exchange Extension)	250	12,000	11
B3099	Floating-Point Arithmetic	150	7200	11
	Interconnection Features			
B3301	Type A I/O Channel	70	3360	11
B3302	Type B I/O Channel	95	4560	11
	Processor Storage			
B3015-2	150-kb IC Memory	630	30,175	31
B3020-2	200-kb IC Memory	1260	60,350	62
B3025-2	250-kb IC Memory	1890	90,525	93
B3030-2	300-kb IC Memory	2520	120,700	124
B3035-2	350-kb IC Memory	3150	150,875	155
B3040-2	400-kb IC Memory	3780	181,050	186
B3045-2	450-kb IC Memory	4410	211,225	217
B3050-2	500-kb IC Memory	5040	241,400	248
	Consoles			
B3342	Console (standing level)	30	1440	—
	System: 4700			
	Processors			
B4704-1	CPU (4.0 mHz; 2 mb/sec I/O subsystem with 8 channels, max 4 type B; 150-kb core memory)	10,050	393,120	382
B4708	CPU (same as B4704-1 except with 4 mb/sec I/O subsystem)	8380	387,156	402
B4711-1	CPU (4.0 mHz; 2 mb/sec I/O subsystem with 10 channels, max 5 type B; 150-kb core memory; disc file control and control adapters; disc file N1 x N2 exchange; file protect memory with 16-word memory; independent aux power cabinet)	11,700	472,400	567
B4712-1	2 CPUs (4.0 mHz; two, 2 mb/sec I/O subsystems with 18 channels, max 10 type B; 150-kb core memory per processor; 2 disc file controls and adapters; disc file N1 x N2 exchange; file protect memory with 16-word memory; independent aux power cabinet)	21,680	866,345	975
B4713-1	3 CPUs (4.0 mHz; three, 2 mb/sec I/O subsystems with 26 channels, max 15 type B; 150-kb core memory per processor; 3 disc file controls and adapters; disc file N1 x N2 exchange; file protect memory with 16-word memory; independent aux power cabinet)	32,155	1,279,935	1383
B4714-1	4 CPUs (4.0 mHz; four, 2 mb/sec I/O subsystems with 34 channels, max 20 type B; 150-kb core memory per processor; 4 disc file controls and adapters; disc file N1 x N2 exchange; file protect memory with 16-word memory; independent aux power cabinet)	42,630	1,693,530	1792
B4731	CPU (same as B4711-1 except 4 mb/sec I/O subsystems)	10,030	466,440	586
B4732	2 CPUs (same as B4712-1 except 4 mb/sec I/O subsystems)	18,420	854,715	1015
B4733	3 CPUs (same as B4713-1 except 4 mb/sec I/O subsystems)	27,230	1,262,345	1443
B4734	4 CPUs (same as B4714-1 except 4 mb/sec I/O subsystems)	36,030	1,669,975	1872
	Processor Options			
B4098	Optional Independent Aux Power Cabinet (for B4376 F.P.M. and/or B4490 MTU Exchange and/or B4471 Basic D.F. Exchange; and/or B4471-7 D.F. Exchange Extension)	250	12,000	10
B4099	Floating-Point Arithmetic	150	7200	10
	Interconnection Features			
B4301	Type A I/O Channel	70	3360	10
B4302	Type B I/O Channel	95	4560	10
	Processor Storage(2)			
B4020-1	200-kb Core Memory	630	30,175	49
B4025-1	250-kb Core Memory	1260	60,350	97
B4030-1	300-kb Core Memory	1890	90,525	161
B4035-1	350-kb Core Memory	2520	120,700	225
B4040-1	400-kb Core Memory	3150	150,875	274
B4045-1	450-kb Core Memory	3780	181,050	322
B4050-1	500-kb Core Memory	4410	211,225	354
	Consoles			
B4342	Console (standing level)	30	1440	—
	System: 5700			
	Processors			
B5714	CPU (incl 2 I/O multiplexing channels; 131,072-char (16,384-word) main storage; central control; console and supervisory typewriter)	10,990	483,560	756
B5724	2 CPUs (incl 2 I/O multiplexing channels; 262,144 char (32,768-word) main storage; central controls; consoles and supervisory typewriter)	18,200	800,800	1179
	Processor Options			
B5780-5	Automatic Disk Load Operation	—	—	—
	Interconnection Features			
B5780	I/O Multiplexing Channel (max 4)	875	38,500	78
B5780-1	132 Print Position (each I/O channel)	70	3080	22
B5780-2	800 BPI Magnetic Tape Adapter (each I/O channel); (incl tape hold-over read/write)	70	3080	22
B5780-3	Data Transmission Terminal Unit Adapter (each I/O channel)	70	3080	22
B5780-4	File Protect Memory I/O Channel Adapter (factory installation only; reqrd on all I/O channels if F.P.M. used)	77	3360	22

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Processor Storage			
B5002	4-μsec Memory Module (32,768 char/4096 words; max 8)	1015	44,660	72
B5005	Basic Aux Memory Subsystem (incl 262,144 char/32,768 words; 1.2-μsec aux memory module; memory control and aux power)	4950	216,000	178
B5005-1	Second Aux Memory Module (262,144 char/32,768 words)	4400	192,000	124
	System: 6700			
	Processors			
B6713	CPU (2.5 mHz; with 98-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; I/O processor; 4 data switching channels; operator console with dual displays; MDL processor; memory tester)	11,000	543,840	926
B6715	CPU (5 mHz with 196-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; I/O processor; data switching channels; operator console and control; MDL processor; memory tester)	16,300	782,400	1136
B6718	CPU (5 mHz, with vectors; 196-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; I/O processor; 8 data switching channels; operator console and control MDL processor)	18,300	878,400	1188
B6723	2 CPUs (2.5 mHz; with 98-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; I/O processor; dual system adapter; 4 data switching channels; operator console with dual displays; MDL processor; memory tester)	17,000	840,480	1296
B6725	2 CPUs (5 mHz with 196-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; I/O processor; 6 data switching channels; operator console and control; MDL processor; memory tester)	24,300	1,166,400	1678
B6728	2 CPU (5 mHz with vectors; 196-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; I/O processor; 8 data switching channels; operator console and control; MDL processor, memory tester)	26,500	1,272,000	1786
B6733	3 CPUs (2.5 mHz; with 98-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; 2 I/O processors; 4 data switching channels; operator console with dual displays; MDL processor; memory tester)	25,800	1,238,400	1789
B6735	3 CPUs (5 mHz; with 196-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec; DFEU and control; 2 I/O processors; 6 data switching channels; operator console with dual displays; MDL processor; memory tester)	35,000	1,680,000	2097
B6738	3 CPUs (5 mHz, with vectors; 196-kb core memory, 1.2-μsec; 10-mb system memory disc, 20 msec DFEU and control; 2 I/O processors; 8 data switching channels; operator console with dual displays; MDL processor; memory tester)	36,500	1,752,000	2303
B6748	CPU (5 mHz; 1 I/O processor with 8 data switching channels; MDL processor; operator console with display and control; peripheral control cabinet with 5 large and 5 small peripheral control positions; power control cabinet)	7500	345,000	709
	Failsafe Devices			
B6725-FS	System (B6725 basic system, excl 196-kb core; with second ICP; 6 data switching channels; four 393,216-byte, 1.6-μsec failsoft memory modules; second 10-mb system memory disc; 20-msec DFEU and control; second console desk and controls; second dual display; second MDL processor; dual power supply; scan bus control unit; dual group control cabinets; reconfiguration control unit; 4 memory configuration adapters)	60,200	2,892,800	4053
B6728-FS	System (B6728 basic system, excl 196-kb core; with second I/O processor; 8 data switching channels; four 393,216-byte, 1.6-μsec failsoft memory modules; second 10-mb system memory disc; 20-msec DFEU and control; second console disc and control; second dual display; second MDL processor; dual power supply; scan bus control unit; dual group control cabinets; reconfiguration control unit; memory configuration adapters)	62,650	3,010,400	4245
B6735-FS	System (B6735 basic system, excl 196-kb core; with four 393,216-byte, 1.6-μsec failsoft memory modules; 6 data switching channels; second 10-mb system memory disc; 20-msec DFEU and control; second console desk and control; second dual display; second MDL processor; dual power supply; scan bus control unit; 3 group control cabinets; reconfiguration control unit; 4 memory configuration adapters)	67,950	3,264,800	4358
B6738-FS	System (B6738 basic system, excl 196-kb core; with four 393,216-byte, 1.6-μsec failsoft memory modules; second 10-mb system memory disc; 20-msec DFEU and control; 8 data switching channels; second console desk and control; second dual display; second MDL processor; dual power supply; scan bus control unit; 3 group control cabinets; reconfiguration control unit; 4 memory configuration adapters)	69,700	3,348,800	4625
	Failsafe Options			
B6098	Additional Configuration Control Panels	100	4800	11
B6099	Memory Configuration Adapter	150	7200	17
B6792	Configuration Control Unit (incl 2 control panels)	2000	96,000	205
	Processor Options			
B6780	I/O Processor	3200	153,600	138
B6790	Opt MDL Processor (second I/O processor reqrd)	2500	120,000	129
B6791	Opt Power Supply	500	24,000	11
B6793	Auxiliary Cabinet	100	4800	—
	Interconnection Features			
B6780-1	Data Switching Channel (up to 12 per I/O processor)	125	6000	27
	Processor Storage			
B6000	Opt Memory Control Cabinet	1000	48,000	54
B6004-1	Memory Module (98,304 bytes — 16,384 words; 1.2-μsec cycle time; 1 port)	1700	81,600	115
B6005-1	Memory Module (393,216 bytes — 65,536 words; 1.5-μsec cycle time; 1 port)	5400	259,200	290
B6005-FS	Failsoft Memory (393,216 bytes — 65,536 words; 1.6-μsec; with 1-bit error correction and detection)	6200	297,600	315
B6010	Memory Module (884,736 bytes — 147,456 words; two 393,216-byte, 1.6-μsec; one 98,304-byte, 1.2-μsec memory module; 3 ports)	11,000	600,000	605
B6015	Memory Module (1,376,256 bytes — 229,376 words; three 393,216-byte, 1.6-μsec plus two 98,304-byte, 1.2-μsec memory modules; 5 ports)	13,600	678,600	748
B6020	Memory Module (1,867,776 bytes — 311,296 words; four 393,216-byte, 1.6-μsec plus three 98,304-byte, 1.2-μsec memory modules; 7 ports)	17,200	930,752	946
B6005-4	Basic Memory Module (393,216 bytes of 1.6-μsec error correcting memory and memory control; for B6748 only)	3500	161,000	306
B6005-5	Optional Memory Module (with 393,216 bytes of 1.6-μsec error correcting memory; for B6748 only)	2800	128,800	295

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	System: 7700			
	Processors			
B7718	CPU (16 mHz with 786,432 bytes 1.5-μsec two-way interleaved memory; I/O processor contains 4 multi-word channels for disc controls, 20-word channels for peripheral controls; 4-word channels for DCPs and 1 DFO adapter 2 x 2 control exchange; operator console with control and dual displays; maintenance diagnostic unit)	38,800	1,825,000	2151
B7728	2 CPUs (with B7718 basic features with 4-requester exchange; 2 operator consoles with control and dual displays; maintenance diagnostic unit)	54,200	2,607,000	3079
B7738	3 CPUs, 2 I/O processors (each with basic B7718 channel features, basic B7718 features, and 6-requester exchange; 2 operator consoles with controls and dual displays; maintenance diagnostic unit)	77,200	3,667,000	4310
B7748	4 CPUs, 2 I/O processors (plus basic B7738 features with 8-requester exchange; 2 operator consoles with control and dual displays; maintenance diagnostic unit)	90,200	4,442,000	5238
	Processor Options			
B7701	Additional CPU	21,000	1,008,000	840
B7780	Additional I/O Processor (same as incl with B7712 system)	7560	362,800	—
	Interconnection Features			
B7780-1	Multiword channels (4 multiword channels with DFO adapter; 1 max for 7780)	2000	96,000	52
B7792	Additional 2 x 2 Exchange (for B7712 and B7724 systems; 1 per system)	2500	120,000	22
	Processor Storage			
B7001-2	Memory Module (786,432 bytes — 131,072 words; 1.5-μsec cycle time; 2-way interleaved)	3900	215,000	607
B7001-4	Memory Module (1,572,864 bytes — 262,144 words; 1.5-μsec cycle time; 4-way interleaved)	7800	430,000	1085

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	MASS STORAGE									
	Discs									
	Disc Files — Systems Memory and Modular Random Storage[3]									
B9374-1	Storage Module (9.6 M char; 20 msec; max 5 per B9373)	750	36,000	115	X					
	Disc Files — Data Memory Banks[3]									
B9375-14	96 Million Character Storage (40 msec)	3950	224,200	559	X					
B9376-14	Additional 19.2 Million Character Increments (40 msec)	700	44,840	96	X					
	Disc File Memory Systems — Head-per-Track Disc Files[3]									
B9372-20	10-mb Storage (20 msec; includes 1 DFEU)	1200	57,600	210					X	
B9372-21	Additional 10-mb Increment (20 msec)	500	36,000	118					X	
B9373-20	Disk File (20 mb; 23 msec; includes 1 DFEU)	1995	95,760	210					X	
B9373-21	Increment (20 mb; 23 msec; for B9373-20; 4 max)	540	38,800	128					X	
B9373-30	Disk File (20 mb; 40 msec; includes 1 DFEU)	1350	66,690	210					X	
B9373-31	Increment (20 mb; 40 msec; for B9373-30; max 4)	450	24,170	128					X	
B9379-20	Disk File (20 mb; 23 msec; includes 1 DFEU)	1995	95,760	210						X
B9379-21	Increment (20 mb; 23 msec; for B9379-20; max 4)	540	38,800	128						X
B9379-30	Disk File (20 mb; 40 msec; includes 1 DFEU)	1350	66,690	210						X
B9379-31	Increment (20 mb; 40 msec; for B9379-30)	575	21,600	96						X
B9370-1[4]	System Memory (1 mb; 17-msec latency time)	375	18,000	82	X	X	X			
B9370-2[4]	System Memory (2 mb; 17-msec latency time)	450	21,600	92	X	X	X			
B9371-18	Systems Disk (8 mb; 20 msec; 1 DFEU)	600	28,800	215	X	X	X			
B9372-12[4]	10-mb Storage (20 msec; includes 1 DFEU)	1200	57,600	210	X	X	X			
B9373-3	20-mb Storage (40 msec; includes 1 DFEU; not for B2731, 41, 51)	1995	95,760	210	X	X	X			
B9373-4[4]	20-mb Storage (40 msec; includes 1 DFEU)	1350	66,690	210	X	X	X			
B9374-3	Additional 20-mb Increment (23 msec; limit 4 per B9373-3; not for B2731, 41, 51)	540	38,800	128	X	X	X			
B9374-4[4]	Additional 20-mb Increment (40 msec; limit 4 per B9373-4)	450	24,170	92	X	X	X			
B9374-1	Storage (9.6 mb; 20 msec; max 5 per B9373)	750	36,000	118				X		
B9374-18	Additional 8-mb Increment (20 msec; limit 4 per B9371-18)	400	19,200	103	X	X	X			
B9374-12	Additional 10-mb Increment (40 msec; limit 4 per B9372-12)	500	24,000	103	X	X	X			
	Head-per-Track Memory Banks[3][5]									
B9375-1	Memory Bank (100 mb; 23 msec)	4155	250,960	722					X	X
B9375-2	Increment (20 mb; 23 msec)	540	38,800	128					X	X
B9375-4	100-mb Storage (40-msec latency time)	3150	163,360	507	X	X	X		X	X
B9375-5	Additional 20-mb Increment (40 msec)	575	32,670	128	X	X	X		X	X
B9375-14	Memory Bank (96 mb; 40 msec)	3950	224,200	559				X		
B9376-14	Additional 19.2 mb (40 msec)	700	44,840	96				X		
	Disk File Electronic Units[5]									
B9373	Electronics Unit (max 10 per B5374-5; for B9374-1 Storage Module)	450	21,600	82				X		
B9373-14	Optional Additional DFEU (for B9375-14, B9376-14)	450	21,600	82				X		
B9371-1	DFEU (for B9372-12)	650	31,200	82	X	X	X			
B9371-6	Optional Additional DFEU (for B9374-3)	650	31,200	82	X	X	X			
B9371-11	Optional Additional DFEU (for B9374-4, B9375-4, and B9376-5)	650	31,200	82	X	X	X			
B9371-8	Optional Additional DFEU (for B9373-20, 21; B9375-1, 2)	650	31,200	82					X	X
B9371-9	Optional Additional DFEU (for B9373-30, 31; B9375-4, 5)	650	31,200	82					X	X
B9371-20	DFEU (for B9372-20)	650	31,200	82					X	
	Disc File Controls, Exchanges, and Features									
B450	Basic DF/DC Cabinet	268	11,475	48				X		
B5374-3	Basic DF/DTTV Cabinet (B5780-3 reqrd; used to house B5374-5, B5374-6, B5352-2, B5374-4, B5352-3)	180	8640	44				X		
B5374-4	Disk File Expanded Control (2 max per B5374-5, 6)	210	9600	27				X		

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Disk File Controls, Exchanges and Features (Contd.)									
B5374-5	Disk File Control (1 max with 1 B5352-2; 2 max per B450; 1 max per B5374-3; can be modified to B5374-6 for $50 one-time charge)	410	18,040	71				X		
B5374-6	Disk File Control (reqrd with B9375-14; same max as B5374-5)	410	18,040	71				X		
B5374-7	Disk File Control (for FPM)	550	24,000	87				X		
B6373	Disk File Control (for B9373 and B9375 series)	350	16,800	17					X	B
B6473	Disk File Exchange (1 x 2)	88	4080	11					X	B
B6471	Basic Disk File Exchange N1 x N2 (up to 4 x 20; for B9373 and B9375 series)	200	9600	11					X	B
B6471-5	Control Adapter (N1 side; up to 4 per B6471)	50	2400	6					X	B
B6471-6	EU Adapter (N2 side; up to 20 per B6471)	30	1440	3					X	B
B6471-7	Exchange Extension (for over 10 DFEUs)	150	7200	11					X	B
B6871	Dual Port EU Adapter	40	1920	11					X	
B2371[4]	Systems Memory Control	155	7200	12	X					
B2373-1	Disk File Control	216	10,368	12	X					
B2373-3	Systems Disk Control	216	10,368	12	X					
B2375-1	Disk File Combination Control	270	12,960	12	X					
B2472	Basic Disk File Exchange N1 x N2 (up to 4 x 20 with appropriate adapters)	216	10,368	10	X	A				
B2472-5	Control Adapter (N1 side; up to 4 per exchange)	54	2592	3	X	A				
B2472-6	EU Adapter (N2 side; up to 20 per exchange)	32	1555	1	X	A				
B2472-7	Exchange Extension (for over 10 EUs)	162	7766	10	X	A				
B2473-1[4]	1 x 2 Disk File Exchange	59	2851	10	X					
B2474[4]	2 x N Disk File Exchange	200	9600	10	X					
B2674[4]	Disk File Exchange Adapter (for B2474)	10	480	5	X					
B3371-1[4]	Systems Memory Control	200	9600	13		X	C			
B3373	Disk File Control	335	16,080	12		X	C			
B3373-3	Systems Disk Control	335	16,080	12		X	C			
B3375-1	Disk File Combination Control	400	19,200	13		X	C			
B3473-1[4]	1 x 2 Disk File Exchange	88	4080	11		X	C			
B4471	Basic Disk File Exchange N1 x N2 (up to 4 x 20 with appropriate adapters)	216	10,368	11			X			
B4471-5	Control Adapter (N1 side; up to 4 per exchange)	54	2592	4			X			
B4471-6	EU Adapter (N2 side; up to 20 per exchange)	32	1555	1			X			
B4471-7	Exchange Extension (for over 10 EUs)	162	7776	1			X			
	Disk Files — File Protect Memory[6]									
B5376	File Protect Memory (basic unit incl 16 40-bit words)	660	28,800	156				X		
B5376-1	File Protect Memory Adapter (1 reqrd for each B5374-7; 4 max)	44	1920	10				X		
B5376-2	File Protect Memory Module (16 40-bit words; 7 max)	55	2400	13				X		
B2376	File Protect Memory (basic unit incl 16 40-bit words)	650	31,200	111	X	A	C			
B2376-1	File Protect Memory Adapter (1 reqrd per control; max 4)	60	2880	9	X	A	C			
B2376-2	File Protect Memory Module (16 40-bit words; max 7)	75	3600	12	X	A	C			
	Disk File Optimizer and Features									
B6375	Basic Disk File Optimizer (DFO; incl 8 words of DFO memory)	2400	115,200	259					X	B
B6675	DFO Memory Increment (8 words; 32 max)	200	9600	22					X	B
B9971-11	DFSU Adapter for DFO (1 reqrd per DFSU; controlled by DFO)	25	1200	4					X	X
	Disk Pack Drive Memory Systems									
	Single Data Access Dual Drives									
B9484-3	Dual Drive (95.5 mb; 30-msec average access; 12.5-msec average latency)	1000	48,000	129	X	X	X		X	X
B9484-4	Dual Drive (242 M bytes; 30-msec average access; 12.5-msec average latency)	1550	74,400	201			X		X	X
B9388-2	Dual Drive (129.5 mb with H-P-T compatibility; 100-byte segments)	1250	60,000	201	X	X	X			
	Simultaneous Data Access Dual Drives									
B9485-3	Dual Drive (95.5 mb; 30-msec average access; 12.5-msec average latency)	1200	57,600	156	X	X	X		X	X
B9485-5	Dual Drive (200 mb; 38.4-msec average access; includes 2 x 8 drive exchange — EU)	2800	134,400	250					X	
B9485-4	Dual Drive (174.4 mb; 30-msec average access; 12.5-msec average latency)	1750	84,000	226			X		X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Dual Drive Increments									
B9486-3	Increment (for B9484-3, B9485-3; 95.5 mb; 30-msec average access; limit of 3 increments per B9484-3 or B9485-3)	700	33,600	145	X	X	X		X	X
B9486-5	Increment (for B9484-5, B9485-5; 200 mb; 38.4-msec average access; limit of 3 per B9484-5 or B9485-5)	1350	64,800	130					X	
B9486-4	Increment (for B9484-4, B9485-4; 174.4 mb; 30-msec average access)	1400	67,200	145	X	X	X		X	X
B9486-45	Increment (for B9484-4, B9485-4; 87.2 mb; 30-msec average access)	800	38,400	108	X	X	X		X	X
	Dual Drive Controls, Exchanges and Features									
B6380-1	Single Control (for B9484-3)	1800	86,400	108					X	B
B6380-2	Dual Control (for B9485-3)	2100	100,800	139					X	B
B6383-1	Single Control (for B9484-4)	1850	88,800	113					X	B
B6383-2	Dual Control (for B9485-4)	2150	103,200	144					X	B
B7483-5	Control Expansion Adapter (for B7383-1, 2)	800	38,400	111						X
B9974-1	Disk Pack (certified at 200 tpi; for B9484-3, B9485-3, and B9486-3)	25	575	—	X	X	X		X	X
B9974-4	Disk Pack (certified at 200 tpi; for B9484-4, B9485-4, and B9486-4)	30	690	—	X	X	X			
B2380-2	Dual Control (for B9485-3)	2100	100,800	123	X	A	C			
B2380-3	Single Control (for B9484-3)	950	45,600	103	X		C			
B2383-2	Dual Control (for B9485-4)	2150	103,200	138	X	A	C			
B2383-3	Single Control (for B9484-4)	950	45,600	108	X	A	C			
B2384-1	Disk Pack Control (with H-P-T compatibility; 1 x 2 max; for B9388-2)	1745	83,760	113	X	A	C			
B2384-2	Disk Pack Control (with H-P-T compatibility; 2 x 16 max; for B9388-2)	2250	105,920	144	X	A	C			
B3483-5	Control Expansion Adapter (for B3383-2, 3)	800	38,400	111		X	C			
	INPUT/OUTPUT									
	Magnetic Tapes									
	Magnetic Tape Units (7)									
B9391	18/50/72 kc @ 90 ips (200/556/800 bpi)	375	18,000	169	X	X	X	X	X	X
B9390	18/50 kc (7-track; 200/556 bpi)	330	15,860	149	X	X	X			
B9394-1	24/66/96 kc @ 120 ips (200/556/800 bpi)	375	18,000	174	X	X	X	X	X	X
B9392	72-kb M.T. Unit (-trk; 800 bpi)	425	20,400	169	X	X	X		X	X
B9393-1	144-kb M.T. Unit (9-trk; 1600 bpi)	405	19,440	149	X	X	X		X	X
B9393-3	240-kb M.T. Unit (9-trk; 1600 bpi)	520	24,960	159	X	X	X		X	X
B9394-2	96-kb M.T. Unit (9-trk; 800 bpi)	425	20,400	174	X	X	X		X	X
B9495-2	120-kb M.T. Unit (9-trk; 1600 bpi)	400	16,650	74	X	X	X		X	X
B9495-3	200-kb M.T. Unit (9-trk; 1600 bpi)	505	21,110	84	X	X	X		X	X
B9495-5	320-kb M.T. Unit (9-trk; 1600 bpi; for B4700 systems only)	620	25,790	145		X	X		X	X
B9495-6	400-kb M.T. Unit (9-trk; 1600 bpi; for B4700 systems only)	710	29,536	170		X	X		X	X
B9496-2	40-kb M.T. Unit (9-trk; 1600 bpi)	270	12,800	65	X	X	X		X	X
B9496-3	80-kb M.T. Unit (9-trk; 1600 bpi)	320	15,300	69	X	X	X		X	X
	NRZ Clustered Tape Units (9-trk; 800 bpi)									
B9381-12	2-Station (18 kb)	525	25,200	179	X	X	X		X	X
B9381-13	3-Station (18 kb)	570	26,960	200	X	X	X		X	X
B9381-14	4-Station (18 kb)	680	32,160	241	X	X	X		X	X
B9381-22	2-Station (36 kb)	700	33,600	205	X	X	X		X	X
B9381-23	3-Station (36 kb)	900	43,200	236	X	X	X		X	X
B9381-24	4-Station (36 kb)	1100	52,800	267	X	X	X		X	X
	PE Clustered Tape Units (9-trk; 1600 bpi)									
B9382-12	2-Station (36 kb)	620	29,760	205	X	X	X		X	X
B9382-13	3-Station (36 kb)	715	34,320	241	X	X	X		X	X
B9382-14	4-Station (36 kb)	845	40,560	277	X	X	X		X	X
B9382-22	2-Station (72 kb)	725	34,800	231	X	X	X		X	X
B9382-23	3-Station (72 kb)	950	45,600	267	X	X	X		X	X
B9382-24	4-Station (72 kb)	1175	56,400	302	X	X	X		X	X
	NRZ/PE Clustered Tape Units (9-trk; 800/1600 bpi)									
B9383-12	2-Station (18/36 kb)	640	30,720	231	X	X	X		X	X
B9383-13	3-Station (18/36 kb)	750	36,000	272	X	X	X		X	X
B9383-14	4-Station (18/36 kb)	900	43,200	313	X	X	X		X	X
B9383-22	2-Station (36/72 kb)	750	36,000	256	X	X	X		X	X
B9383-23	3-Station (36/72 kb)	1000	48,000	297	X	X	X		X	X
B9383-24	4-Station (36/72 kb)	1250	60,000	338	X	X	X		X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Magnetic Tape System Controls, Exchanges, and Features									
B2381-21	NRZ Control (18/36 kb; 9-trk; for B9381-12, 13, 14, 22, 23, 24)	400	19,200	12	X	A	C			
B2381-22	PE Control (36/72 kb; 9-trk; for B9382-12, 13, 14, 22, 23, 24)	525	25,200	15	X	A				
B2381-24	Dual NRZ Control (18/36 kb; 9-trk; incl 2 controls and 2 x 8 exchange; for B9381-12, 13, 14, 22, 23, 24)	750	36,000	31	X	A				
B2381-25	Dual PE Control (36/72 kb; 9-trk; incl 2 controls and 2 x 8 exchange; for B9382-12, 13, 14, 22, 23, 24)	900	43,200	31	X	A				
B2381-26	Dual NRZ/PE Control (9-trk; incl 2 controls and 2 x 8 exchange; for 9383-12, 13, 14, 22, 23, 24)	950	45,600	31	X	A				
B4381-11	NRZ Control (18/36 kb; 9-trk; for B9381-12, 13, 14, 22, 23, 24)	400	19,200	13			X			
B4381-12	PE Control (36/72 kb; 9-trk; for B9382-12, 13, 14, 22, 23, 24)	525	25,200	17			X		D	B
B4381-14	Dual NRZ Control (18/36 kb; 9-trk; incl 2 controls and 2 x 8 exchange; for B9381-12, 13, 14, 22, 23, 24)	750	36,000	33			X		D	B
B4381-15	Dual PE Control (36/72 kb; 9-trk; incl 2 controls and 2 x 8 exchange; for B9382-12, 13, 14, 22, 23, 24)	900	43,200	33			X		D	B
B4381-16	Dual NRZ/PE Control (9-trk; includes 2 controls and 2 x 8 exchange; for B9383-12, 13, 14, 22, 23, 24)	950	45,600	33			X		D	B
B6381-11	NRZ Control (18/36 kb; 9-trk; for B9381-12, 13, 14, 22, 23, 24)	600	26,400	13					X	B
B2391-11	Unit Control (50 kc; 7-trk; 200/556 bpi)	295	14,160	12	X					
B2391-13	Unit Control (72 kc; 7-trk; 200/556/800 bpi)	320	15,360	12	X					
B2391-14	Unit Control (96 kc; 7-trk; 200/556/800 bpi)	320	15,360	15	X	A				
B2393-11	Unit Control (72 kb; 9-trk; 800 bpi)	350	16,800	12	X					
B2393-12	Unit Control (144/240 kb; 9-trk; 1600 bpi; for B9393)	250	12,000	15	X	A				
B2393-13	Unit Control (96 kb; 9-trk; 800 bpi)	350	16,800	15	X	A				
B2394-4	Unit Control (40/80 kb; 9-trk; 1600 bpi)	325	15,740	53	X	A	C		D	B
B2395-2	Unit Control (120/200 kb; 9-trk; 1600 bpi)	515	21,060	55	X	A	C		D	B
B3391-11	Unit Control (50 kc; 7-trk; 200/556 bpi)	295	14,160	16		X				
B3391-13	Unit Control (72 kc; 7-trk; 200/556/800 bpi)	320	15,360	16		X				
B3393-11	Unit Control (72 kb; 9-trk; 800 bpi)	350	16,800	15		X				
B3395-7	Unit Control (320/400 kb; 9-trk; 1600 bpi)	515	21,060	55		X	C		D	B
B4391-1	Unit Control (50 kc; 7-trk; 200/556 bpi)	295	14,160	17			X			
B4391-3	Unit Control (72 kc; 7-trk; 200/556/800 bpi)	320	15,360	17			X		D	B
B4391-4	Unit Control (96 kc; 7-trk; 200/556/800 bpi)	320	15,360	17			X		D	B
B4393-1	Unit Control (72 kb; 9-trk; 800 bpi)	350	16,800	17			X		D	B
B4393-2	Unit Control (144/240 kb; 9-trk; 1600 bpi)	250	12,000	17			X		D	B
B4393-3	Unit Control (96 kb; 9-trk; 800 bpi)	350	16,800	17			X		D	B
	Master Electronics Exchange									
B9499-10	1 x 4 (for B9495)	125	5500	20	X	X	X		X	X
B9499-11	1 x 8 (for B9495)	200	8800	20	X	X	X		X	X
B9499-12	2 x 8 (for B9495)	300	13,200	43	X	X	X		X	X
B9499-13	2 x 16 (for B9495)	500	22,000	43	X	X	X		X	X
B9499-14	4 x 16 (for B9495)	800	38,400	66	X	X	X		X	X
B9499-30	1 x 4 (for B9496)	125	5500	20	X	X	X		X	X
B9499-31	1 x 8 (for B9496)	200	8800	20	X	X	X		X	X
B9499-32	2 x 8 (for B9496)	300	13,200	43	X	X	X		X	X
B2490-10	Unit Exchange (7- or 9-trk; 2 x 10; for B9390, B9391, and B9392)	260	12,220	10	X					
B2493-1	1 x 8 Common Electronics Exchange (for B9393)	415	19,920	46	X	A	C		D	B
B2493-2	2 x 8 Common Electronics Exchange (for B9393)	830	39,840	92	X	A	C		D	B
B2680-1	7-Track NRZ Control Adapter (1 reqrd per 7-trk port; for B2381-21, 24, 26)	50	2400	10	X	A				
B3490-10	Unit Exchange (7- or 9-trk; 2 x 10; for B9391, B9392, B9394-1, 2)	260	12,220	11		X	C			B
B4680-1	7-Track NRZ Control Adapter (1 reqrd per 7-trk port; for B4381-11, 14, 16)	50	2400	11			X		D	B

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Master Electronics Exchange (Contd.)									
B6490	2 x 10 Tape Exchange (for B9391, B9392, B9394-1, 2)	250	10,500	11					X	B
B6492	4 x 16 Tape Exchange (for B9391, B9392, B9394-1, 2)	450	18,900	22					X	B
B9980	Unit Designate Switch (for B9381/3 series clusters)	10	480	1	X	X	X			
B9989	7-Track Station Adapter (for B9381 series; 1 reqrd per 7-trk station)	50	2400	10	X	X	X		X	X
	Punched Card									
	Card Readers									
B9110	200 cpm	175	8400	44	X	X	X			
B9111	800 cpm	350	17,550	90	X	X	X	X	X	X
B9112	1400 cpm	485	23,325	136	X	X	X	X	X	X
B9113	475 cpm	300	12,480	76	X	X	X			
B9115	300 cpm	110	4500	25	X	X	X		X	X
B9116	600 cpm	195	6500	35	X	X	X		X	X
B9117	800 cpm	250	9000	43	X	X	X		X	X
	Card Reader Controls and Features									
B2110-2	Card Reader Control	54	2592	8	X					
B2110-5	Card Reader Control	65	3150	8	X	A	C			
B3110-2	Card Reader Control	70	3360	9		X				
B4110	Card Reader Control	70	3360	9			X			
B9915	51-Col Read Feature	15	750	—	X	X	X			
B9917	Card Counter	5	240	—	X	X	X	X		
B9918	Postal Money Order Feature	30	1440	6	X	X	X			
B9919	40-Col Read Switch	—	190[9]	—	X	X	X			
B9916	Validity Check	5	240	2				X		
B9991-2	Stand (for B9115/6/7)	6	125	—	X	X	X			
B6110	Card Reader Control	100	4200	18					X	B
B6110-5	Card Reader Control	100	4200	17					X	B
	Card Punches									
B9210	100 cpm	250	12,000	71	X	X	X	X		
B9211	300 cpm	515	25,750	189				X		
B9212	150 cpm	430	20,640	113	X	X	X	X		
B9213	300 cpm	530	25,440	145	X	X	X	X	X	X
	Card Punch Controls and Features									
B2212-2	Card Punch Control	54	2592	8	X					
B2610-2	BCL-BCL Code Translator (for B2212-2)	15	720	5	X					
B3212-2	Card Punch Control	70	3360	9		X				
B3610-2	BCL-BCL Code Translator (for B3212-2)	20	960	6		X				
B4212	Card Punch Control	70	3360	9			X			
B4610	BCL-BCL Code Translator (for B4212)	20	960	6			X			
B9910	Card Counter (for B9210)	5	240	—				X		
B6212	Card Punch Control	100	4200	17					X	B
B6610	BCL-BCL Code Translator (for B6212)	15	630	6					X	B
	Paper Tape									
B9120	Paper Tape Reader (500-1000 cps)	300	16,000	76	X	X	X	X	X	X
B9926	Input Code Translator	145	6960	11	X	X	X	X	X	X
B2120-2	Paper Tape Reader Control	54	2592	8	X					
B3120-2	Paper Tape Reader Control	70	3360	9		X				
B4120	Paper Tape Reader Control	70	3360	9			X			
B6120	Paper Tape Reader Control	100	4200	18					X	B
B9220	Paper Tape Punch (100 cps)	260	15,300	71	X	X	X	X	X	X
B9928	Output Code Translator	130	6850	11	X	X	X	X	X	X
B2220-2	Paper Tape Punch Control	54	2592	8	X					
B3220	Paper Tape Punch Control	52	2400	8		X				
B4220	Paper Tape Punch Control	130	6850	11			X			
B6220	Paper Tape Punch Control	100	4200	18					X	B
	Printers									
B9240-4[8]	475 lpm, 120 PP	435	17,500	179	X	X	X			
B9240-5[8]	700 lpm, 120 PP	585	29,000	185	X	X	X			
B9240-6[4]	1040 lpm, 120 PP	860	41,000	201	X	X	X			
B9242-1[8]	860 lpm, 120 PP	872	48,575	190	X	X	X		X	X
B9242-2[8]	725 lpm (OCR-A numeric and std alpha)	872	48,575	190	X	X	X		X	X
B9242-3[8]	725 lpm (OCR-B numeric and std alpha)	872	48,575	190	X	X	X		X	X
B9242-11	860 lpm, 120 PP (includes form self-align feature)	910	50,400	201		X	X		X	X
B9242-12	725 lpm (OCR-A numeric and std alpha; includes form self-align feature)	910	50,400	201		X	X		X	X
B9242-13	725 lpm (OCR-B numeric and std alpha; includes form self-align feature)	910	50,400	201		X	X		X	X
B9243-1[8]	1100 lpm, 120 PP	977	54,075	222	X	X	X		X	X
B9243-2[8]	900 lpm (OCR-A numeric and std alpha)	977	54,075	222	X	X	X		X	X
B9243-3[8]	900 lpm (OCR-B numeric and std alpha)	977	54,075	222	X	X	X		X	X
B9243-11	1100 lpm, 120 PP (includes form self-align feature)	1015	50,750	233		X	X		X	X
B9243-12	900 lpm (OCR-A numeric and std alpha; includes form self-align feature)	1015	50,750	233		X	X		X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Printers (Contd.)									
B9243-13	900 lpm (OCR-B numeric and std alpha; includes form self-align feature)	1015	50,750	233		X	X		X	X
B9245-5(4)	300 lpm, 120 PP	500	24,000	145	X	X	X		X	X
B9245-6(4)	300 lpm, 132 PP	540	25,920	153	X	X	X		X	X
B9245-8(4)	400 lpm, 120 PP	600	28,800	148	X	X	X		X	X
B9245-9(4)	400 lpm, 132 PP	640	30,720	159	X	X	X		X	X
B9246-2	1800 lpm, 132 PP	1550	65,000	295		X	X		X	X
B9247-3	750 lpm, 120 PP	710	33,000	138	X	X	X			
B9247-14	1100 lpm, 132 PP	1000	46,500	228	X	X	X		X	X
B9240-16	700 lpm, 120 PP	625	31,000	185				X		
B9240-17	1040 lpm, 120 PP	900	43,000	201				X		
B9242-4	860 lpm, 120 PP	960	52,800	190				X		
B9242-5	725 lpm (OCR-A numeric and std alpha)	960	52,800	190				X		
B9242-6	725 lpm (OCR-B numeric and std alpha)	960	52,800	190				X		
B9243-4	1100 lpm, 120 PP	1065	58,300	210				X		
B9243-5	900 lpm (OCR-A numeric and std alpha)	1065	58,300	210				X		
B9243-6	900 lpm (OCR-B numeric and std alpha)	1065	58,300	210				X		
	Printer Controls and Features									
B9940	High Speed Slew (for B9242, 3 series)	60	3000	22	X	X	X	X	X	X
B9941	Additional 12 PP (for B9240, 2, 3)	40	2000	11	X	X	X	X	X	X
B9942-2	Additional 12 PP (for B9247-3)	40	2000	11	X	X	X			
B9942-9	Additional Train Module (for B9247-3)	65	3500	18	X	X	X			
B9942-10	Additional Train Module (for B9247-14)	95	3150	18	X	X	X		X	X
B9943	Printer Memory (for B9242, 3 series)	100	4800	11	X	X	X		X	X
B9947(8)	Dual Printer Control (for B9240, 2, 3)	200	9600	11	X	X	X			
B2240-1	Printer Control (for B9240-4, 5, 6 or B9242, 3 when using B9943 printer memory)	80	3760	12	X					
B2242-1	Printer Control (when not using B9943 printer memory)	80	3760	12	X					
B2243-1	Printer Control (for B9247-3 printer)	200	9600	20	X	A	C			
B2247-4	Printer Control (for B9247-14 printer)	200	9600	20	X	A	C		D	B
B3240-1	Printer Control (same as B2240-1)	100	4800	11		X				
B3242-1	Printer Control (same as B2242-1)	100	4800	11		X				
B4240	Printer Control (same as B2240-1)	100	4800	11			X			
B4242	Printer Control (same as B2242-1)	100	4800	11			X			
B6240	Printer Control (for B9242, 3 and B9246-2 series)	150	7200	18					X	B
B9946	"CR" Symbol (for B9240 and B9241; field installation charge with drum exchange $250)						X			
B9949-2	Tape Reader (12-C1 format; for B9247 series printers)	61	3050	15	X	X	X		X	X
	Supervisory Printers									
B9340	Console Printer and Keyboard	55	2640	17	X	X	X			
B9340-1	Operator Display Console	217	9548	35	X	X	X			
B2340-1	Console Printer Control	81	3888	15	X					
B2341	Console Display Control	225	10,800	20	X	A	C			
B3340-1	Console Printer Control	135	6480	16		X				
B4340	Console Printer Control	135	6480	17			X			
	Readers-Sorters									
B9130	13-Pocket Non-System (1565 doc/min)	1890	90,720	540	X	X	X			
B9131	13-Pocket (1565 doc/min)	1900	91,200	540	X	X	X			
B9131(9)	13-Pocket (1000 doc/min)	1200	57,600	486	X	X	X			
B9132	16-Pocket (1565 doc/min)	2200	105,600	664	X	X	X			
B9134-1	Reader Sorter (4 pockets; 1625 doc/min; requires B9938-1, or B9938-6)	1025	49,200	351	X	X	X			
	Reader-Sorter Controls and Features (for B9130, B9131, B9131-1 and B9132)									
B2130-6	MICR Reader-Sorter Control	105	4935	15	X					
B3130-6	MICR Reader-Sorter Control	135	6480	15		X				
B4130	MICR Reader-Sorter Control	135	6480	17			X			
B9930-1	Mobile Carrier and Document Tray	6	240	—	X	X	X			
B9930-2	Additional Document Tray	—	15	—	X	X	X			
B9931-1	Document Separators (13-pocket)	20	960	—	X	X	X			
B9931-2	Document Separators (16-pocket)	25	1200	—	X	X	X			
B9932	Endorser	200	9000	54	X	X	X			
B9933	Extended Sort Control*	50	2400	17	X	X	X			
B9934	Start/Stop Bar (for B9131)	7	275	—	X	X	X			
B9935	Special Field Ending	10	450	—	X	X	X			
B9936	Override Code	10	450	—	X	X	X			
B9937	Validity Checking — Sort Field	10	450	—	X	X	X			
B9938	Reverse Override	10	450	—	X	X	X			
B9939-1	Resettable Item Counter	5	240	—	X	X	X			
B9939-2	Non-Resettable Item Counter	5	240	—	X	X	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Reader-Sorter Controls and Features (for B9134-1)									
B2130-7	MICR Reader-Sorter Control	100	4800	15	X					
B2130-8	MICR-OCR Reader-Sorter Control	150	7200	15	X					
B3130-7	MICR Reader-Sorter Control	130	6240	15		X				
B3130-8	MICR-OCR Reader-Sorter Control	195	9360	15		X				
B4130-1	MICR Reader-Sorter Control	130	6240	17			X			
B4130-2	MICR-OCR Reader-Sorter Control	195	9360	17			X			
B9930-3	Mobile Carrier	—	150	—	X	X	X			
B9930-4	One Tray Document Rack	—	60	—	X	X	X			
B9932-1	Endorser (1625 doc/min)	200	9000	54	X	X	X			
B9932-4	Batch Ticket Detector	10	480	1	X	X	X			
B9932-5	Short Document Read Feature	10	480	2	X	X	X			
B9932-6	Short Document Module Expander	5	240	—	X	X	X			
B9933-1	Basic Off-Line Sort (provides for off-line sort in 2 fields only)	25	1200	6	X	X	X			
B9933-2	8-Pocket Off-Line Sort (provides for off-line sort in 2 fields only)	30	1440	6	X	X	X			
B9933-3	Expander Off-Line Field Sort (provides for 1 additional field sort up to max of 8 fields)	5	240	—	X	X	X			
B9933-4	Extended Sort Control	50	2400	17	X	X	X			
B9933-5	Zero Kill (max 3 per reader-sorter)	10	480	1	X	X	X			
B9933-6	No Field-No Digit (max 3 per reader-sorter)	10	480	1	X	X	X			
B9933-7	Digit Override (max 3 reader-sorter)	10	480	1	X	X	X			
B9933-8	Digit Edit (max 3 per reader-sorter)	10	480	1	X	X	X			
B9933-9	Field Override (max 3 per reader-sorter)	10	480	1	X	X	X			
B9933-10	Field Edit (max 3 per reader-sorter)	10	480	1	X	X	X			
B9935-1	Expansion Feature (pockets 17-32)	100	4800	11	X	X	X			
B9935-2	4-Pocket Module (pockets 5-16)	300	14,400	38	X	X	X			
B9935-3	4-Pocket Module (pockets 17-32)	300	14,400	38	X	X	X			
B9936-1	Stacker Overflow	10	480	1	X	X	X			
B9937-1	Valid Character Check	5	240	1	X	X	X			
B9938-1	Multi-Track E13-B (1625 doc/min)	375	18,000	60	X	X	X			
B9938-6	Numeric OCR "A"	1000	46,000	128	X	X	X			
B9938-9	Dual Read Option (1625 doc/min; can include only 1 MICR char per system)	150	7200	27	X	X	X			
B9939-3	Resettable Item Counter	5	240	1	X	X	X			
B9939-4	Non-Resettable Item Counter	5	240	1	X	X	X			
B9939-5	Running Time Meter	5	240	1	X	X	X			
	Operator Consoles									
B6341	Additional Operator Display Control (8 operator display terminals max 5)	250	12,000	20					X	
B9342-1	Additional Operator Display Terminal	225	10,800	33					X	X
B9951-7	Console Display Stand, Low (without work table)		80						X	X
B9951-8	Console Display Stand, High (without work table)		100						X	X
B9951-9	Console Display Stand Work Table, Right/Left		25						X	X
B7341	Additional Operator Display Control (8 operator display terminals max)	525	25,200	20						X
	Peripheral Switching Units									
B9410	Basic Switch	150	7200	17	X	X	X	X	X	X
B9410-1	Switch Relay Module	30	1440	4	X	X	X	X	X	X
	DATA COMMUNICATIONS									
	Data Communications Processor (DCP)									
B6350	Data Communications Processor	900	43,200	118					X	B
B6358	DCP (with 12-kb IC memory; 4 line adapter positions; for B6748 only)	1000	46,000	134					X	
B6350-1	Adapter Cluster (for B6350 and B6358)	200	9600	22					X	B
B6350-5	DCP Memory (4096 words; up to 4 per B6350)	1125	54,000	33					X	B
B6351-1	Line Expansion Cabinet (with independent power; for B6748)	500	24,000	20					X	
B6358-5	Opt DCP Local Memory Module (with 12-kb IC memory; for B6748)	350	16,100	22					X	
B2350	DCP (with 16-kb core memory; console control; console printer/keyboard; 16 line multiline control)	1315	57,600	120	X	A	C			
	Core Memory Modules									
B2320	20 kb	135	6000	12	X	A	C			
B2324	24 kb	275	12,000	25	X	A	C			
B2328	28 kb	385	16,800	35	X	A	C			
B2332	32 kb	495	21,600	45	X	A	C			
B2330-1	Processor/Processor Adapter (50,000 bps)	200	9600	25	X	A	C			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Core Memory Modules (Contd.)									
B2330-2	Second Processor/Processor Adapter (50,000 bps)	200	9600	25	X	A	C			
	Multiline Control Extensions and Adapters									
B2335	16 Line Extension (3 max)	210	9120	21	X	A	C			
B2335-1	Adapter for 4-bit Character Interface	80	3490	8	X	A	C			
B2336	Model 28/83B3 (8 adapters)	66	2880	18	X	A	C			
B2336-1	Direct Connection (up to 1200 bps; 4 adapters)	28	1200	4	X	A	C			
B2336-5	Data Set Connection (asynch Bell 103 or 202 types at up to 1200 bps or synch Bell 201 type at up to 4800 bps; 4 adapters)	44	1920	6	X	A	C			
B6650-1	Line Adapter 1 — Direct or Modem Connect (up to 600 bps; synch; 2-wire or 100 series type modem using RS232 defined interface, serial transmission, half-duplex mode operation)	15	720	4					X	B
B6650-2	Line Adapter 2 (same as 1 except up to 1800 bps & 202 series type modem)	45	2160	7					X	B
B6650-3	Line Adapter 3 (asynch; direct connect up to 2400 bps or synch modem connect up to 2400 bps; 201 series type modem using RS232 defined interface, serial transmission, half-duplex mode operation)	60	2880	9					X	B
B6650-4	Line Adapter 4 (same as 3 except up to 4800 bps)	100	4800	13					X	B
B6650-5	Line Adapter 5 (same as 3 except up to 9600 bps)	150	7200	17					X	B
B6650-6	Touch-Tone Telephone Input	20	960	6					X	B
B6650-7	Audio Response	40	1920	8					X	B
B6650-8	Automatic Dial Out (ADO)	20	960	6					X	B
B2338	801 ADO (16-line multiplexer)	154	6720	15	X	A	C			
B2338-1	801 ADO (16-line multiplexer extension)	88	3840	7	X	A	C			
B2338-15	Four 801 ADO Adapters	66	2880	10	X	A	C			
	Card Reader									
B2310	Reader Control	35	1680	4	X	A	C			
B9114-1	Reader (200 cpm)	105	4280	22	X	X	X			
	Data Communication Controllers[10]									
B5352-2	Data Transmission Control (B5780-3 reqrd)	210	10,080	49				X		
B5352-3	Data Transmission Terminal Unit (max 15 units; requires B5780-3)	325	16,800	102				X		
B2351-2	Single Line Control	130	6110	14	X					
B3351-2	Single Line Control	170	8160	15		X				
B4351	Single Line Control	170	8160	16			X			
B2352	DCP Control	255	12,240	30	X	A	C			
B2352-1	Binary Synch Control and Adapter (modem connect; up to 9600 bps; computer to computer only)	420	20,160	25	X					
B2352-2	Broadband Control and Adapter (modem connect; up to 50,000 bps; computer to computer only)	490	23,520	35	X					
B3352-1	Binary Synch Control and Adapter (same as B2352-1)	520	24,960	25		X	C			
B3352-2	Broadband Control and Adapter (same as B2352-2)	590	27,190	35		X	C			
B2353-1	Multiline Control	370	17,760	31	X	A				
B4353	Multiline Control	480	23,040	33			X			
B2354-1	8-Channel Extension (for B2353-1)	115	5520	10	X	A				
B4354	8-Channel Extension (for B4353)	150	7200	11			X			
	Line Adapters									
B2651-1	Typewriter Inquiry Station	31	1440	5	X					
B3651-1	Typewriter Inquiry Station	40	1920	6		X				
B4651	Typewriter Inquiry Station	40	1920	6			X			
B2652-3	TWX/Remote Typewriter	31	1440	5	X					
B2652-4	TWX/Remote Typewriter (with ADO)	47	2160	10	X					
B3652-3	TWX/Remote Typewriter	40	1920	6		X				
B3652-4	TWX/Remote Typewriter (with ADO)	55	2640	11		X				
B4652-1	TWX/Remote Typewriter	40	1920	6			X			
B4652-2	TWX/Remote Typewriter (with ADO)	55	2640	11			X			
B5652-3	TWX/TY Adapter (direct connect or leased line only)	40	1800	6				X		
B2653-5	B2500/B3500/B2700/B3700/B4700	52	2400	5	X					
B2653-6	B2500/B3500/B2700/B3700/B4700 (with ADO)	70	3290	10	X					
B3653-5	B2500/B3500/B2700/B3700/B4700	68	3264	11		X				
B3653-6	B2500/B3500/B2700/B3700/B4700 (with ADO)	80	3840	11		X				
B4653-1	B2500/B3500/B2700/B3700/B4700	68	3264	11			X			
B4653-2	B2500/B3500/B2700/B3700/B4700 (with ADO)	80	3840	11			X			
B5653-1	Burroughs B300/B500 Adapter	100	4500	33				X		

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Line Adapters (Contd.)									
B2654-3	Honeywell DCT 2000	90	4230	5	X					
B2654-4	Honeywell DCT 2000 (with ADO)	105	4935	10	X					
B3654-3	Honeywell DCT 2000	90	4230	6		X				
B3654-4	Honeywell DCT 2000 (with ADO)	105	4935	11		X				
B5654-3	U 1004 Adapter	120	5400	33				X		
B2655-3	IBM 1050 Adapter	65	3055	5	X	A				
B5655-4	IBM 1050 (with ADO)	80	3760	10	X	A				
B5655-3	IBM 1050 Adapter	85	3825	17				X		
B2656-2	IBM 1030 Adapter	52	2400	5	X					
B3656-2	IBM 1030 Adapter	70	3360	11		X				
B4656-1	IBM 1030 Adapter	70	3360	11			X			
B2657-1	Model 35 on 8A1 Selective Calling Service	31	1440	5	X					
B3657-1	Model 35 on 8A1 Selective Calling Service	40	1920	6		X				
B4657	Model 35 on 8A1 Selective Calling Service	40	1920	6			X			
B5657	8A1 Selective Calling Service	85	3825	17				X		
B5660	Automatic Dial Out	30	1350	6				X		
B5661	H120 Adapter	125	5625	33				X		
B2662-1	Model 28/83B3	40	1920	5	X					
B3662-1	Model 28/83B3	55	2640	6		X				
B4662	Model 28/83B3	55	2640	6			X			
B5662	TTY Adapter	60	2700	11				X		
B2663-1	Audio Dual Line Adapter (for B2354-1)	110	5170	15	X					
B3663-1	Audio Dual Line Adapter (for B3354-1)	109	4800	11		X				
B4663	Audio Dual Line Adapter (for B4354)	109	4800	11			X	E		
B4665-1	Burroughs Standard Adapter (direct connection; up to 1200 bps std; see B4665-16, 17, 18, 19 for opt speeds) Connects to: B9352 — 2400 bps max B9353 — 9600 bps max TC500 — 1200 bps max TC700 — 1200 bps max DC1100 — 9600 bps max DC1200 — 9600 bps max	55	2640	6			X			
B5665-1	Burroughs Standard Adapter (same as B4665-1)	60	2700	8				X		
B4665-2	TU100 Direct Connection Line Adapter (asynch; 150 bps max)	30	1440	6			X			
B5665-5	Burroughs Standard Adapter (same as B4665-5)	60	2700	8				X		
B4665-5	Burroughs Standard Adapter (for asynch-type modems up to 1200 bps std; see B4665-16 for opt speeds) Connects to: B9352 — 1800 bps max B9353 — 1800 bps max TC500 — 1200 bps max TC700 — 1200 bps max DC1100 — 1200 bps max DC1200 — 1200 bps max	68	3264	8			X			
B4665-6	Mixed B606/TC700 Line Adapter (for use with multiline control)	52	2400	6			X			
B4665-7	TU100 Modem Connection Line Adapter (asynch; 150 bps max)	35	1680	8			X			
B4665-10	Burroughs Standard Adapter (for synch-type modems up to 2400 bps std; see B4665-18 for opt speeds) Connects to: B9352 — 2400 bps max B9353 — 4800 bps max B300 — 4800 bps max B500 — 4800 bps max B5500 — 4800 bps max DC1100 — 4800 bps max DC1200 — 4800 bps max	80	3840	8			X			
B5665-10	Burroughs Standard Adapter (synch-type modems; 2400 bps std; see B5665-18 for opt speeds) Connects to: B9352 — 2400 bps max B9353 — 4800 bps max B2500 — 4800 bps max B3500 — 4800 bps max B6500 — 4800 bps max DC1100 — 1200 bps max DC1200 — 1200 bps max	120	5400	13				X		
B4665-15	Automatic Dial Out (for B4665-5, 10)	15	720	1			X			
	Speed Adapters									
B4665-16	Up to 1800 bps (for B4665-1, 5)	15	720	1			X	E		
B4665-17	Up to 2400 bps (for B4665-1)	30	1440	1			X	E		
B4665-18	Up to 4800 bps (for B4665-1,10)	40	1920	4			X	E		
B4665-19	Up to 9600 bps (for B4665-1)	50	2400	4			X	E		
B2667-1	Burroughs Standard Adapter (direct connection; up to 1200 bps std; see B2667-16, 17, 18, 19 for opt speeds) Connects to: B9352 — 2400 bps max B9353 — 9600 bps max TC500 — 1200 bps max									

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations B2700	B3700	B4700	B5700	B6700	B7700
	Speed Adapters (Contd.)									
	TC700 — 1200 bps max									
	DC1100 — 9600 bps max									
	DC1200 — 9600 bps max	45	2115	5	X					
B3667-1	Burroughs Standard Adapter (direct connection; up to 1200 bps std; see B3667-16, 17, 18, 19 for opt speeds; connects same as B2667-1)	55	2640	6		X				
B2667-2	TU100 Asynch Line Adapter (direct connection; 150 bps max)	30	1440	5	X	A				
B2667-5	Burroughs Standard Adapter (for asynch-type modems up to 1200 bps std; see B2667-16 for opt speeds) Connects to:									
	B9352 — 1800 bps max									
	B9353 — 1800 bps max									
	TC500 — 1200 bps max									
	TC700 — 1200 bps max									
	DC1100 — 1200 bps max									
	DC1200 — 1200 bps max	52	2400	5	X					
B3667-5	Burroughs Standard Adapter (for asynch-type modems up to 1200 bps std; see B3667-16 for opt speeds; connects same as B2667-5)	68	3264	8		X				
B2667-6	Mixed B606/TC700 Line Adapter (for use with multiline control)	55	2585	5	X					
B3667-6	Mixed B606/TC700 Line Adapter (for use with multiline control)	52	2400	6		X				
B2667-7	TU100 Modem Connection Line Adapter (asynch; 150 bps max)	35	1680	7	X	A				
B2667-10	Burroughs Standard Adapter (for synch-type modems up to 2400 bps std; see B2667-18 for opt speeds) Connects to:									
	B9352 — 2400 bps max									
	B9353 — 4800 bps max									
	B300 — 4800 bps max									
	B500 — 4800 bps max									
	B5500 — 4800 bps max									
	DC1100 — 4800 bps max									
	DC1200 — 4800 bps max	65	3055	5	X					
B3667-10	Burroughs Standard Adapter (for synch-type modems up to 2400 bps std; see B3667-18 for opt speeds; connects same as B2667-10)	80	3840	8		X				
B2667-15	Automatic Dial Out (for B2667-5, 10)	15	720	4	X	A				
	Speed Adapters									
B2667-16	Up to 1800 bps (for B2667-1, 5)	15	720	5	X	A				
B2667-17	Up to 2400 bps (for B2667-1)	30	1440	5	X	A				
B2667-18	Up to 4800 bps (for B2667-1, 10)	40	1920	5	X	A				
B2667-19	Up to 9600 bps (for B2667-1)	50	2400	5	X	A				
	Remote Typewriter Subsystem									
B9350	Typewriter Inquiry Station	55	2640	13	X	X	X	X	X	X
	Audio Response Subsystem									
B2355-1	Voice Response Generator	795	37,200	32	X	A	C	E	D	B
B9955-1	Audio Recording (special)	—	2575	—	X	X	X	X	X	X
B9955-2	Audio Recording (library)	—	750	—	X	X	X	X	X	X

Notes:

(1) For 2771/2 only.

(2) Suffix memory module model number with -1 for use on B4708, B4731, B4732, B4733, or B4734 systems.

(3) One-time field installation charge applies for each storage module added to an installed disc file system.

(4) For upgrade only; unavailable for new system orders.

(5) Price of memory banks includes 1 DFEU per memory bank; additional DFEUs may be ordered to increase access paths.

(6) B5374-4 Disk File expanded control required for FPM.

(7) One-time field installation charge for each station added to an installed 2- or 3-Station Cluster. An exchange is required with all magnetic tape subsystems.

(8) Available for new system orders on B2700 systems only.

(9) Subject to availability.

(10) Single-line controllers require 1 type B I/O channel; multiline controllers require 2 type B I/O channels.

Configurations Key:

A When used with 3700, corresponding model numbers are B3381, B3472, etc.

B When used with 7700, corresponding model numbers are B7381, B7978, etc.

C When used with 4700, corresponding model numbers are B4373, B4242, etc.

D When used with 6700, corresponding model numbers are B6401, B6225, etc.

E When used with 5700, corresponding model numbers are B5355, B5665, etc.

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR & WORKING STORAGE			
	SYSTEM: CDC Cyber 70			
	Central Processor			
	Model: 72 (10 peripheral & control processors with 4,096 12-bit words of independent core storage)			
72-12	With 32,768 Wds of Memory	14,070	556,500	2,842
72-13	With 49,152 Wds of Memory	20,318	787,500	3,497
72-14	With 65,536 Wds of Memory	26,513	1,076,250	4,153
72-16	With 98,304 Wds of Memory	34,388	1,380,750	5,579
72-18	With 131,072 Wds of Memory	40,845	1,648,500	7,003
72-24	2 Processors (with 65,536 wds of memory)	32,813	1,307,250	5,260
72-26	2 Processors (with 98,304 wds of memory)	40,688	1,611,750	6,685
72-28	2 Processors (with 131,072 wds of memory)	47,145	1,879,500	8,110
	Model: 73 (same features as Model 72)			
73-12	With 32,768 Wds of Memory	17,063	682,500	2,859
73-13	With 49,152 Wds of Memory	23,310	913,500	3,514
73-14	With 65,536 Wds of Memory	29,505	1,202,250	4,170
73-16	With 98,304 Wds of Memory	37,380	1,506,750	5,596
73-18	With 131,072 Wds of Memory	43,838	1,774,500	7,021
73-24	2 Processors (with 65,536 wds of memory)	38,010	1,517,250	5,277
73-26	2 Processors (with 98,304 wds of memory)	48,885	1,821,750	6,702
73-28	2 Processors (with 131,072 wds of memory)	52,343	2,089,500	8,148
	Model: 74 (same features as Model 72)			
74-12	1 Multifunction CPU (with 32,768 wds of memory)	44,888	1,795,500	6,578
74-13	1 Multifunction CPU (with 49,152 wds of memory)	51,135	2,026,500	6,965
74-14	1 Multifunction CPU (with 65,536 wds of memory)	57,330	2,315,250	7,353
74-16	1 Multifunction CPU (with 98,304 wds of memory)	65,205	2,619,750	7,802
74-18	1 Multifunction CPU (with 131,072 wds of memory)	71,663	2,887,500	8,250
74-24	1 Multifunction and 1 Unified CPU (with 65,536 wds of memory)	67,410	2,735,250	7,995
74-26	1 Multifunction and 1 Unified CPU (with 98,304 wds of memory)	75,285	3,039,750	8,444
74-28	1 Multifunction and 1 Unified CPU (with 131,072 wds of memory)	81,743	3,307,500	8,892
	Model: 76 (7 bidirectional I/O channels with individual assembly/disassembly logic; 6 7602-1 peripheral processors)			
76-12	With 32,768 (to 65,536) Wds Small Core and 256,000 (to 512,000) Wds Large Core Memory	90,200	4,510,000	13,038
76-14	With 65,536 Wds Small Core and 256,000 (to 512,000) Wds Large Core Memory	106,260	5,214,000	14,473
76-16	With 32,768 (to 65,536) Wds Small Core and 512,000 Wds Large Core Memory	119,900	5,918,000	15,990
76-18	With 65,536 Wds Small Core and 512,000 Wds Large Core Memory	135,960	6,622,000	17,425
	Processor Options			
10264-1	Adds 16,384 Wds (upgrades 72-12; 73-12 to 72-13; 73-13)	6,248	231,000	655
10264-2	Adds 16,384 Wds (upgrades 72-13; 73-13 to 72-14; 73-14)	6,195	288,750	656
10264-3	Adds 32,768 Wds (upgrades 72-14, 24, 73-14, 24 to 72-16, 26)	7,875	304,500	1,426
10264-4	Adds 32,768 Wds (upgrades 72-16, 26, 73-16, 26 to 72-18, 28, 73-18, 28)	6,458	267,750	1,425
10265-1	Adds 16,384 Wds (upgrades 74-12 to 74-13)	6,248	231,000	388
10265-2	Adds 16,384 Wds (upgrades 74-13 to 74-14)	6,195	288,750	388
10265-3	Adds 32,768 Wds (upgrades 74-14, 24 to 74-16, 26)	7,875	304,500	449
10265-4	Adds 32,768 Wds (upgrades 74-16, 26 to 74-18, 28)	6,458	267,750	448
10267-1	PPU Interlock Register (increases from 64-128 bits)	210	8,400	16
10268-1	Adds 4 PPU and 6 I/O Channels to Model 72, 73 CPU	3,570	141,750	246
10268-2	Adds 3 PPU and 3 I/O Channels to System with 10268-1	1,208	48,300	185
10268-3	Adds 3 PPU and 3 I/O Channels to System with 10268-2	1,208	48,300	185
10269-1	Same as 10268-1 (for Model 74)	3,570	141,750	246
10269-2	Same as 10268-2 (for Model 74)	1,208	48,300	185
10269-3	Same as 10268-3 (for Model 74)	1,208	48,300	185
10270-1	Adds Second CPU (to 72-14, 16, 18; producing 72-24, 26, 28)	6,300	231,000	1,107
10270-2	Adds Second CPU (to 73-14, 16, 18; producing 73-24, 26, 28)	8,505	315,000	1,107
10270-3	Adds Second CPU (to 74-14, 16, 18; producing 74-24, 26, 28)	10,080	420,000	643
	Core Storage			
	Extended Core Storage			
7030-1	125,952 Wds	6,090	206,010	1,321
7030-2	251,904 Wds	10,038	335,370	1,746
7030-4	503,808 Wds	18,008	596,085	2,493
7030-8	1,007,616 Wds	34,608	1,138,565	3,600
7030-16	2,015,232 Wds	68,670	2,152,500	4,984
6681	Data Channel Converter	315	15,582	46
6684-1	Tape Controller Interface	357	17,808	59
6684-2	Tape Controller Interface	357	17,808	59
	System: CDC Cyber 170			
	Central Processor			
	Model: 172 (Sixty-bit word size plus 8-bit error correction code, semiconductor storage, 10 peripheral and control processors each with 4,096 12-bit words plus 1 parity bit, floating-point hardware, character compare and move instructions, 8 operand, 8 addressing and 8 increment registers, central processor interrupt through exchange jump logic, 12 data channels with 12 bits plus 1 parity bit, 2 data channel converters for 3000 series controllers, system console, and required power and cooling equipment)			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
172-2	With 32,768 Wds of Memory	7,823	580,650	2,307
172-3	With 49,152 Wds of Memory	9,109	642,600	2,435
172-4	With 65,536 Wds of Memory	10,395	704,550	2,563
172-6	With 98,304 Wds of Memory	12,968	828,450	2,819
172-8	With 131,072 Wds of Memory	15,540	952,350	3,075
	Model: 173 (same features as Model 172)			
173-4	With 65,536 Wds of Memory	20,370	980,700	3,588
173-6	With 98,304 Wds of Memory	22,943	1,104,600	3,844
173-8	With 131,072 Wds of Memory	25,515	1,228,500	4,100
173-12	With 196,608 Wds of Memory	31,290	1,504,650	4,613
173-16	With 262,144 Wds of Memory	37,065	1,780,800	5,125
	Model: 174 (same features as Model 172)			
174-4	With 65,536 Wds of Memory	26,145	1,257,900	4,613
174-6	With 98,304 Wds of Memory	28,718	1,381,800	4,869
174-8	With 131,072 Wds of Memory	31,290	1,505,700	5,125
174-12	With 196,608 Wds of Memory	37,065	1,781,850	5,638
174-16	With 262,144 Wds of Memory	42,840	2,058,000	6,150
	Model: 175 (same features as Model 172)			
175-4	With 65,536 Wds of Memory	54,780	2,629,000	7,228
175-6	With 98,304 Wds of Memory	58,190	2,791,000	7,557
175-8	With 131,072 Wds of Memory	61,600	2,953,500	7,886
175-12	With 196,608 Wds of Memory	69,080	3,307,700	8,543
175-16	With 262,144 Wds of Memory	76,560	3,661,900	9,200
	Central Processor Memory Increments			
10312	**Memory Increment (adds specified number of 60-bit words plus 8-bit error correction code of semiconductor memory)**			
10312-3	Adds 16,384 Wds (upgrades 172-2)	1,287	61,950	129
10312-4	Adds 16,384 Wds (upgrades 172-3)	1,287	61,950	129
10312-6	Adds 32,768 Wds (upgrades 172-4, 173-4, 174-4)	2,573	123,900	257
10312-8	Adds 32,768 Wds (upgrades 172-6, 173-6, 174-6)	2,573	123,900	257
10312-12	Adds 65,536 Wds (upgrades 173-8, 174-8; req 10317-1 on 173)	5,775	276,150	513
10312-16	Adds 65,536 Wds (upgrades 173-12, 174-12)	5,775	276,150	513
10313	**Memory Increment (same as 10312)**			
10313-6	Adds 32,768 Wds (upgrades 175-4)	3,410	162,250	330
10313-8	Adds 32,768 Wds (upgrades 175-6)	3,410	162,250	330
10313-12	Adds 65,536 Wds (upgrades 175-8)	7,480	354,200	658
10313-16	Adds 65,536 Wds (upgrades 175-12)	7,480	354,200	658
	Processor Options			
10316-1	Conversion (upgrades 172-4, -6, -8 to 173)	9,975	276,150	1,025
10316-2	Conversion (upgrades 173-4, -6, -8, -12, -16 to 174 by adding a second central processor; req 10317-1)	5,775	277,200	1,025
10317-1	Expansion (for 173)	NC	NC	NC
10318-1	ESC Coupler (for 172, 173, 174)	NC	NC	NC
10318-2	ESC Coupler (for 175)	NC	NC	NC
	Consoles			
7012-1	Second Console (includes typewriter)	415	19,950	72
	Peripheral Processors			
10314	**PPU Increment**			
10314-1	Adds 4 peripheral Processors and 12 I/O Channels (req 10317-1 on 173; for 173/174)	1,617	77,700	431
10314-2	Adds 3 Peripheral Processors (for 10314-1)	263	12,600	93
10314-3	Adds 3 Peripheral Processors (for 10314-2)	263	12,600	93
10314-51	Adds 4 Peripheral Processors and 12 I/O Channels (for 175)	1,694	81,400	431
10314-52	Adds 3 Peripheral Processors (for 10314-51)	275	13,200	93
10314-53	Adds 3 Peripheral Processors (for 10314-52)	275	13,200	93
	Peripheral Processor Options			
10315-1	Data Channel Converter (for 10314-1, -51)	305	14,700	46
10315-2	Data Channel Converter (for 10315-1)	305	14,700	46
	SYSTEM CDC 3000			
	Central Processor			
	Model: 3100			
3174-1	Basic Processor	3,287	134,400	339
3174-2	Scientific Processor	3,618	147,840	378
3174-3	Business Data Processor	3,618	147,840	438
3174-4	General-Purpose Processor	3,948	160,650	477
	Processor Options			
3177-2	Communication Channel Module	300	13,094	95
3177-4	Communication Channel Module	594	26,040	189
3177-6	Communication Channel Module	882	38,850	283
3195	Page Reader Controller	510	21,704	32
	Core Storage			
3172-49	Magnetic Core Storage (49,152 words)	2,890	118,400	562
3172-65	Magnetic Core Storage (65,536 words)	3,285	134,400	749
3172-81	Magnetic Core Storage (81,920 words)	4,305	176,000	936
3172-98	Magnetic Core Storage (98,304 words)	5,315	217,600	1,124
3172-114	Magnetic Core Storage (114,688 words)	6,330	259,200	1,311
3172-131	Magnetic Core Storage (131,072 words)	7,350	301,000	1,498

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Model: 3300			
3304	Basic Processor	4,720	181,419	200
3304-2	Business Data Processor	4,505	185,500	307
3304-3	Business Data Processor	4,731	194,775	300
	Processor Options			
3306	Communication Channel	137	6,458	39
3307	Communication Channel	237	9,907	56
3310	Floating-Point Module	914	35,060	39
3311	Multiprogramming Module	993	40,058	139
3316	Multiplexer Controller	672	30,608	95
10127	Expanded Memory Option	53	2,573	20
3387	A/D Interface Controller	473	18,900	49
	Core Storage			
3309	Storage Module (8,192 words)	1,380	55,650	149
	Model: 3500			
3514-1	Basic Processor	7,167	293,790	897
3514-2	Business Data Processor	7,938	356,160	969
3514-3	Multiprogramming Processor	8,862	382,872	987
3514-4	General-Purpose Processor	9,702	445,200	1,024
	System Storage			
3502-32	32,768 Wds	4,090	168,000	416
3502-65	65,536 Wds	6,852	278,250	831
3502-98	98,304 Wds	9,062	372,750	1,246
3502-131	131,072 Wds	11,162	462,000	1,661
3502-163	163,840 Wds	13,209	551,250	2,076
3502-196	196,608 Wds	15,199	635,250	2,491
3502-229	229,376 Wds	17,131	721,350	2,906
3502-262	262,144 Wds	19,011	798,000	3,321
	Processor Options			
3507-1	Communication Channel	321	13,356	46
3516-1	Multiplexer Controller	751	36,750	164
10288-1	3504 Parity Check Option		7,665*	
10288-2	3514 Parity Check Option		7,665*	
	SYSTEM: CDC 6000			
	Central Processor			
	Model: 6200			
6214	Central Computer	33,427	1,366,995	3,885
6215	Central Computer	19,982	806,043	2,574
6215-7	Central Computer	15,099	619,059	2,540
6215-8	Central Computer	16,727	681,387	2,552
6215-9	Central Computer	18,354	743,715	2,563
	Model: 6400			
6413	Central Computer	56,679	2,641,149	6,753
6414	Central Computer	37,102	1,519,245	3,903
6415	Central Computer	23,657	958,293	2,592
6415-7	Central Computer	18,774	771,309	2,558
6415-8	Central Computer	20,402	833,637	2,569
6415-9	Central Computer	22,029	895,965	2,580
	Model: 6500			
6513	Central Computer	62,139	2,863,749	7,860
6514	Central Computer	42,562	1,741,845	5,010
	Model: 6600			
6613	Central Computer	89,865	4,090,275	7,982
6614	Central Computer	61,263	2,571,030	7,085
6615	Central Computer	44,011	1,811,408	6,310
	Model: 6700			
6713	Central Computer	96,054	4,368,525	8,625
6714	Central Computer	67,458	2,849,280	7,728
	Processor Options			
6416	Augmented Input/Output Buffer and Control (with 6400 or 6600 central computer)	12,970	511,980	602
6641-1	Extended Core Storage/Mass Storage Adapter	1,439	66,780	205
6681	Data Channel Converter (with 6400, 6500, or 6600 system)	315	15,582	46
6683	Satellite Coupler	179	11,130	28
10105	Memory Increment (converts 6614 to 6613)	28,602	1,591,590	897
10106	Memory Increment (converts 6604 to 6613)	36,582	1,669,500	831
10112	Memory Increment (converts 6415 to 6414)	13,451	606,585	1,312
10113	Memory Increment (converts 6405 to 6414)	20,769	639,975	1,215
10117	6500 Conversion (converts 6413 to 6513 or 6414 to 6514)	5,460	250,425	1,107
10118	6500 Conversion (converts 6404 to 6514)	12,012	283,815	1,025
10119	Memory Increment (converts 6414 to 6413 or 6514 to 6513)	19,578	1,194,249	2,851
10120	Memory Increment (converts 6404 to 6413)	27,846	1,227,639	2,640
10169	Central Memory Access Priority		5,250(2)	
10173-1	6713 PPU Increment (field installation charge – 96,000)	5,266	239,295	615
10173-2	6714 PPU Increment (field installation charge – 69,000)	5,266	239,295	615
10173-3 (1)	6613 PPU Increment (field installation charge – 90,000)	5,266	239,295	615
10173-4 (1)	6614 PPU Increment (field installation charge – 63,000)	5,266	239,295	615
10173-5	6615 PPU Increment (field installation charge – 47,000)	5,266	239,295	615
10173-6	6513 PPU Increment (field installation charge – 65,000)	5,266	239,295	615
10173-7	6514 PPU Increment (field installation charge – 44,000)	5,266	239,295	615

**Field Installation Charge*

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Processor Options (Contd.)			
10173-8	6413 PPU Increment (field installation charge — 59,000)	5,266	239,295	615
10173-9	6414 PPU Increment (field installation charge — 38,000)	5,266	239,295	615
10173-10	6415 PPU Increment (field installation charge — 25,000)	5,266	239,295	615
10174-1	6613 Secondard CPU (field installation charge — 90,000)	6,195	292,163	615
10174-2	6614 Secondary CPU (field installation charge — 63,000)	6,195	292,163	615
10177-1	Memory Increment (increases central memory from 32,768 to 49,152 wds)	6,993	317,205	665
10177-2	Memory Increment (increases central memory from 49,152 to 65,536 wds)	6,447	300,510	665
10178-1	6414/6415 Memory Increment (increases central memory from 65,536 to 98,304 wds)	10,322	617,715	1,440
10178-2	6414/6415 Memory Increment (increases central memory from 98,304 to 131,072 wds)	9,230	584,325	1,440
10179-1	6615 Memory Increment (increases central memory from 32,768 to 49,152 wds)	8,899	422,940	394
10179-2	6615 Memory Increment (increases central memory from 49,152 to 65,536 wds)	8,353	400,680	394
10180-1	6614/6714 Memory Increment (increases central memory from 65,536 to 98,304 wds)	14,842	818,055	455
10180-2	6614/6714 Memory Increment (increases central memory from 98,304 to 131,072 wds)	13,750	795,795	455
	Extended Core Storage			
6633-2	128,000 Wds	5,156	168,557	1,064
6634-2	256,000 Wds	9,104	297,917	1,490
6635-2	512,000 Wds	17,073	558,632	2,237
6636-2	1,024,000 Wds	33,674	1,102,112	3,344
10122-1	ECS Memory Increment	3,948	135,828	426
10122-2	ECS Memory Increment	7,970	273,751	748
10122-3	ECS Memory Increment	16,601	571,158	1,107
	SYSTEM: CDC 7600			
	Central Processor			
	Model: 7600			
7601-1	Central Computer System	164,478	9,075,000	23,806
7613-1	Central Processor	123,600	6,020,000	18,700
7614-1	Central Processor	96,600	4,740,000	15,532
7615-1	Central Processor	109,000	5,380,000	17,160
7616-1	Central Processor	82,000	4,100,000	13,992

Model No.	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	Processor Options								
	Model: 7601-1								
7602-1	Peripheral Processing Unit	1,210	55,000	103					
7611-1	Local Operator Station	8,470	418,000	2,358					
7638-1	Disc File System	11,985	440,000	1,128					
407-1	Card Reader	360	24,910	88					
417-1	Card Punch	250	20,140	80					
517-1	Printer	735	47,700	307					
617-1	Magnetic Tape Drive	805	46,640	268					
	Models: 7614, 7615, 7616								
7608-1	Large Core Memory Storage Module (field-installed on 7614-1 or 7616-1)	29,700	1,408,000	2,952					
7609-1	Small Core Memory Storage Module (field-installed on a 7615-1 or 7616-1)	16,060	704,000	1,435					
7606-1	Data Channel Unit (includes 4 I/O channels; two 7606-1 units can be attached to any 7600 processor)	1,320	63,800	118					
	MASS STORAGE								
	Disc								
7054-1	Mass Storage Controller	1,796	94,500	298	X			X	
7054-2	Mass Storage Controller	2,363	132,300	359	X			X	
7054-41	Mass Storage Controller	1,880	98,175	298		X			
7054-42	Mass Storage Controller	2,447	135,975	359		X			
10333-1	Mass Storage Controller Conversion	84	3,675	N/C		X			
10285	Second Channel Feature	567	37,800	62	X			X	
7654	Mass Storage Controller	1,881	99,000	298					X
3553-1	Mass Storage Controller	735	30,240	145			X	X	
3553-2	Mass Storage Controller	809	32,918	156			X	X	
821-1	Data File (419 mc; single access; fixed)	2,888	155,820	539	X		X	X	
821-2	Data File (838 mc; dual access; fixed)	5,376	289,380	921	X		X	X	
7638-1	Disc File System	11,985	440,000	1,128					X
844-2	Disc Storage Unit (869 mb/max; 6.8 mb/sec)	578	29,400	103	X				
844-21	Disc Storage Unit	578	29,400	103	X	X			
844-41	Disc Storage Unit	798	36,750	113		X			
841-11	Multiple Disc Drive Module	588	26,250	88			X	X	
841-12	Multiple Disc Drive Module	977	35,700	144			X	X	
841-21	Multiple Disc Drive Module	667	29,820	93			X	X	
841-22	Multiple Disc Drive Module	1,124	42,210	154			X	X	
10251-1	Dual Connection Option (upgrades 841-11 to 841-21)	79	3,570	6			X	X	
10251-2	Dual Connection Option (up-grades 841-12 to 841-22)	147	6,510	11			X	X	
	INPUT/OUTPUT								
	Magnetic Tape								
3518-1	Mag Tape Controller (single channel connection; controls 8 (max) 657 units; 200/556/800 bpi NRZI)	588	34,503	156	X		X	X	
3518-2	Mag Tape Controller (same as 3518-1 except controls mixed 657 and 659 units; code conversion)	725	41,323	184	X		X	X	
3518-3	Mag Tape Controller (same as 3518-2; also 1,600-bpi phase encoded)	898	48,972	200	X		X	X	
3528-1	Mag Tape Controller (same as 3518-1 except 2 independent channel connections)	1,119	55,650	311	X		X	X	
3528-2	Mag Tape Controller (same as 3518-2 except 2 independent channel connections)	1,218	64,554	316	X		X	X	

Model No.	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	Magnetic Tape (Contd.)								
3528-3	Mag Tape Controller (same as 3518-3 except 2 independent channel connections)	1,323	73,458	322	X		X	X	
7618-1	Mag Tape Controller (200, 556, or 800 NRZ)	941	51,304	200				X	X
7628-1	Mag Tape Controller (200, 556, or 800 bpi NRZ)	1,386	76,956	322				X	X
604-2	Magnetic Tape Transport (7-trk; 200, 556, 800 bpi)	520	21,250	149			X	X	
607-2	Magnetic Tape Transport (7-trk; 200, 556, 800 bpi)	805	26,960	171			X	X	
657	Mag Tape Units (7-track; 200, 556, 800 bpi)								
657-1	Read/Write Speed (37.5 ips)	336	18,785	78	X	X	X	X	X
657-2	Read/Write Speed (75 ips)	452	30,608	129	X	X	X	X	X
657-3	Read/Write Speed (112.5 ips)	704	38,819	150	X	X	X	X	X
657-4	Read/Write Speed (150 ips)	851	48,972	161	X	X	X	X	X
659	Mag Tape Units (9-trk; 200, 556, 800 bpi)								
659-1	Read/Write Speed (37.5 ips)	342	19,478	310	X	X	X	X	X
659-2	Read/Write Speed (75 ips)	483	27,547	122	X	X	X	X	X
659-3	Read/Write Speed (112.5 ips)	720	40,068	161	X	X	X	X	X
659-4	Read/Write Speed (150 ips)	851	46,080	173	X	X	X	X	X
	Punched Card								
3446	Card Punch Controller	452	25,599	73			X		
3446-2	Card Punch Controller	489	27,804	78			X		
3644	Card Punch Controller	640	36,040	109			X		
415-30	Card Punch Controller (250 cpm; 80 col/card)	762	48,951	145		X			
415	Card Punch (250 cpm; 80 col/card)	273	21,147	67	X	X	X	X	
3447	Card Reader Controller	200	13,356	62			X		
3447-2	Card Reader Controller	231	15,561	69			X		
3649	Card Reader Controller	315	18,020	47			X		
405	Card Reader (1,200 cpm; 80 col/card)	389	26,156	73	X	X	X	X	
	Paper Tape								
3691	Paper Tape Reader Punch (reads 350 cps; punches 120 cps)	221	13,913	139	X	X	X		
3694	Paper Tape Reader Punch (reads 1,000 cps; punches 120 cps)	468	32,277	283			X		
	Printers								
3555	Line Printer Controller (single channel)	636	30,051	51			X	X	
512	Line Printer (1,200 lpm; 136 col)	819	50,085	250	X			X	
580	Train Printer Subsystem (48 char train; 136 col; req 596 train cartridge)								
580-12	Prints up to 1,200 lpm	1,323	60,900	287		X			
580-16	Prints up to 1,600 lpm	1,728	83,948	354		X			
580-20	Prints up to 2,000 lpm	1,974	102,060	421		X			
595	Train Cartridge (specify desired type)	111	3,339	N/C	X			X	
596	Train Cartridge (specify desired type)	84	3,465	N/A		X			
	Displays								
6612	Console Display (includes 2 CRT displays, input keyboard, and controller)	1,140	53,424	178			X		
211-21	Display/Entry Station	74	2,415	31			X		
211-22	Display/Entry Station	74	2,415	31			X		
211-23	Display/Entry Station	82	2,625	33			X		
211-24	Display/Entry Station	82	2,625	33			X		
3291	Single Station Entry/Display	373	8,400	46			X		
	Document Readers								
915	OCR Page Reader	1,434	52,947	499			X		
921-1	OCR Document Reader	966	29,925	308					
936-1	OCR Document Reader/ Controller	1,869	110,439	1,131					
955-1	OCR Page & Document Reader	2,636	121,118	790					
3254	OCR Line Printer with Control	846	43,407	256			X		
10147-1	Read Station (for 936-1)	193	6,348	26					

Model No.	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	Document Readers (contd.)								
10147-3	Read Station (for 936-1)	193	6,348	26					
3293	Incremental Plotter	237	10,574	95			X		
7611-11	Service Station	8,470	418,000	2,358	X		X	X	X
8271-2	Transfer Switch	78	4,011	10	X		X	X	X
3270 A	Transfer Switch Controller	104	3,675	12	X		X	X	X
3270 B	Transfer Switch Controller	153	4,725	28	X		X	X	X
	DATA COMMUNICATIONS								
7077-1	Communications Station	1,155	44,625	123	X				
10262-1	Memory Increment Module (expands from 8K to 16,384 wds)	142	5,670	21	X				
10262-2	Memory Expansion Module (expands from 16K to 24K wds; includes cabinetry and power for expansion to 32K)	184	7,350	21	X				
10262-3	Memory Increment Module (expands from 24K to 32K wds)	142	5,670	21	X				
791	Communications Subsystem (interface to 7077-1)								
791-1	Control (interfaces 16 Model 792)	998	39,900	103	X				
10274-1	Memory Module (additional 4K wds memory)	473	17,850	52	X				
791-2	Module (interfaces 17 to 24 Model 792)	588	23,625	62	X				
791-3	Module (interfaces 25 to 32 Model 792)	105	4,200	11	X				
791-4	Module (interfaces 33 to 40 Model 792)	105	4,200	21	X				
791-5	Module (interfaces 41 to 48 Model 792)	105	4,200	21	X				
792	Communication Adapter (interfaces Model 791 and comm facilities)								
792-1	Communication Adapter (full- or half-duplex async adapter interface)	9	368	3	X				
792-2	Communications Adapter (full- or half-duplex sync adapter interface)	11	420	3	X				
792-3	Communications Adapter (full-duplex, sync adapter interface)	13	504	4	X				
792-10	Communications Adapter (control adapter interface)	15	578	5	X				
6671-3	Data Set Controller (accommodates 1 to 16 narrowband or voice-band lines)	1,260	34,650	161				X	
6673	Data Set Controller (accommodates 2 broadband lines; operates at 40,800 bps)	856	21,735	134	X			X	
6674	Data Set Controller (accommodates 4 broadband lines; operates at 40,800 bps)	1,224	36,015	200	X			X	
6676	Data Set Controller (accommodates 1 to 64 narrowband lines)	1,995	42,000	194	X			X	
7673	Data Set Controller (connects to 7611-2 Basic Peripheral Station)								
7673-1	Includes 1 Data Set Adapter (10186)	1,092	53,000	281					X
7673-2	Includes 2 Data Set Adapters (10186)	1,270	61,000	336					X
7673-3	Includes 3 Data Set Adapters (10186)	1,448	69,000	391					X
7683-1	Satellite Coupler (used with one 6683-1 Satellite Coupler to permit direct connection between 1 7602-1 Peripheral Processor and 1 6000 Series data channel)	330	16,500	37					X
3290-21	Local Terminal Controller	357	9,975	103			X		
3290-22	Local Terminal Controller	357	9,975	103			X		
3290-23	Local Terminal Controller	378	10,185	103			X		
3290-24	Local Terminal Controller	378	10,185	103			X		

Model No.	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	DATA COMMUNICATIONS (Contd.)								
358-1	Transceiver (async ; 9,600 baud; half- or full-duplex; 1 mile)	17	1,061	18	X			X	
358-2	Transceiver (sync ; 1,200/2,400/4,800/9,600 baud; half- or full-duplex; 1 mile)	34	1,948	23	X			X	
358-3	Transceiver (sync ; 40.8K/163.2K baud; half- or full-duplex; 1 mile)	65	2,625	34	X			X	
358-4	Transceiver (sync ; 50K/200K baud; half- or full-duplex; 1 mile)	66	3,290	35	X			X	
2550-1	Host Communications Processor (with opt expansion to 64 comm lines; provides 24K 16-bit wds of memory with opt expansion to 32K wds of memory)	998	42,420	428			X		
2550-2	Host Communications Processor (with opt expansion to 128 comm lines; provides 32K 16-bit wds of memory with opt expansion to 65K wds of memory)	1,313	55,650	592			X		
2552-1	Host Communications Processor (with opt expansion to 256 comm lines; provides 32K 16-bit wds of memory with opt expansion to 128K wds of memory)	1,838	77,910	723			X		
2554-8	Memory Expansion (for 2550-1, -2; 2552-1)	84	3,360	39			X		
2556	Communication Line Expansion (specify desired type)	93	3,696	33			X		
2558-1	Communications Coupler	84	3,938	39			X		
2560	Communications Line Adapter (sync ; specify desired type)	24	762	7			X		
2561-1	Communications Line Adapter (async)	657	21	6			X		
2562-1	Time Div Multiplexer Line Adapter	132	5,250	49			X		
2570-1	Line Printer (300 lpm)	389	17,850	197			X		
2570-2	Line Printer (1,200 lpm)	1,533	52,500	447			X		
2572-1	Card Reader (300 cpm; 80 col)	179	6,300	60			X		
2572-2	Card Reader (600 cpm; 80 col)	242	8,400	73			X		

Notes: (1) If 10174 is installed simultaneously, only 1 installation charge applies.
(2) One-time installation charge.

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	SOFTWARE (1)										
F501-01	Network Operating System (NOS 1 package includes NOS 1, Compass 3, Record Manager 1 (IS, DA, AK); req F501-02)	3,900 1,800	NA 70,500	5,700 5,700	I II	1/75		X			
F501-02	Maintenance Package (under NOS 1 includes Modify 1, update 2)	NC	NC	NC	III	1/75		X			
F501-03	Time-Sharing Module 1 (under NOS 1)	1,700 1,200	NA 43,300	100 100	I II	1/75		X			
F501-04	Tranex 1 (under NOS 1; req F501-03)	2,200 1,500	NA 54,100	100 100	I II	1/75		X			
F501-05	Multi-Mainframe Module 1 (under NOS 1)	750 500	NA 18,100	100 100	I II	12/75		X			
F501-06	Network Access Methods 1 (under NOS 1; see F501-26)	NC	NC	NC	I II	9/75		X			
F501-07	Conversion Aids Subsystem 1 (under NOS 1)	150 100	NA 3,700	100 100	I II	1/75		X			
F501-08	High-Speed Batch Subsystem 1 (under NOS 1)	500 300	NA 10,900	100 100	I II	12/75		X			
F501-09	Cyberlink 1 (under NOS 1)	120	4,420	100	III	1/75		X			
F501-10	Query Update 2 (under NOS 1; req F501-11)	500 360	NA 13,060	100 100	I II	12/75		X			
F501-11	DDL 1 (under NOS 1)	100 100	NA 3,700	100 100	I II	12/75		X			
F501-12	Fortran Extended 4 (under NOS 1; includes interactive option)	600 375	NA 13,600	100 100	I II	1/75		X			
F501-13	Cobol 4 (under NOS 1)	600 375	NA 13,600	100 100	I II	1/75		X			
F501-14	Sort/Merge 4 (under NOS 1)	300 240	NA 8,740	100 100	I II	1/75		X			
F501-15	Algol-60 4 (under NOS 1)	600 400	NA 15,000	600 NC	I II	1/75		X			
F501-16	APL 1 (under NOS 1)	600 375	NA 14,000	500 500	I II	1/75		X			
F501-17	Interactive Basic 2 (under NOS 1)	500 300	NA 10,900	NC NC	I II	1/75		X			
F501-18	Simula 1 (under NOS 1)	420	19,500	NC	I II	1/75		X			
F501-19	Simscript 3 (under NOS 1)	420	19,500	500	II	1/75		X			
F501-20	Pert/Time 1 (under NOS 1)	NC	NC	NC	I II	1/75		X			
F501-21	Export/Import-200 1 (under NOS 1)	NC	NC	NC	I II	1/75		X			
F501-22	Math Science Library 1 (under NOS 1)	540	24,840	540	II	1/75		X			
F501-23	1,700 MSOS Import 1 (under NOS 1; req F501-08)	100 100	NA 3,700	100 100	I II	12/75		X			
F501-24	Communication Control Program (CCP) 1 (under NOS 1 2250 operations software; req F501-06; req F501-12, F501-25 for maintenance)	200 100	NA 4,100	500 500	I II	9/75		X			
F501-25	CCP Support Software 1 (under NOS 1)	250 200	NA 7,700	500 500	I II	9/75		X			
F501-26	Remote Job Entry Facility 1 (under NOS 1; requires F501-06)	300 200	NA 7,300	100 100	I II	9/75		X			
F501-27	Compiler Package (under NOS 1 includes Fortran Extended 4, Cobol 4, Algol-60 4, Basic 2, APL 1)	2,320 1,740	NA 63,140	500 500	I II	1/75		X			
F501-28	Total 1 (under NOS 1 Data Base Management System; permits network structure relationships between data files; includes a data base definition language (DBDL) and a data manipulation language (DML) which functions with Cobol, Fortran, Compass)	1,000	31,000	1,000	II	1/75		X			
F411-01	Kronos 2.1 Time Sharing Operating System (includes Kronos 2.1, Compass 3, Record Manager 1 (IS, DA, AK) Kronos Export/Import 200 1; req F411-02)	3,900 1,800	NA 70,500	5,700 5,700	I II	7/75 7/75	X	X		X	

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 170 3000	6000	7600
SOFTWARE (1) (Contd.)										
F411-02	Maintenance Package (under Kronos 2.1)	NC	NC	NC	III		X	X		X
F411-03	Interactive Basic 2 (under Kronos 2.1)	500	NA	100	I	7/75				
		300	10,900	100	II	7/75	X	X		X
F411-04	Interactive Fortran 1 (under Kronos 2.1)	500	NA	100	I	7/75				
		300	10,900	100	II	7/75	X	X		X
F411-05	Fortran Extended 4 (under Kronos 2.1)	600	NA	100	I	7/75				
		375	13,600	100	II	7/75	X	X		X
F411-06	Cobol 4 (under Kronos 2.1)	600	NA	100	I	7/75				
		375	13,600	100	II	7/75	X	X		X
F411-07	Sort/Merge 4 (under Kronos 2.1)	300	NA	100	I	7/75				
		240	8,740	100	II	7/75	X	X		X
F411-08	Algol-60 4 (under Kronos 2.1)	600	NA	600	I	7/75				
		400	15,000	600	II	7/75	X	X		X
F411-09	Simscript 3 (under Kronos 2.1)	420	19,500	600	II	7/75	X	X		X
F411-10	Simula 1 (under Kronos 2.1)	420	19,500	600	II	7/75	X	X		X
F411-11	Pert/Time 1 (under Kronos 2.1)	NC	NC	NC	II	7/75	X	X		X
F411-12	Cyberlink 1 (under Kronos 2.1)	120	4,420	100	III					
F411-13	APL Package 1 (under Kronos 2.1)	600	NA	600	I	7/75				
		375	14,100	600	II	7/75	X	X		X
F411-14	Tranex 1 (under Kronos 2.1)	2,200	NA	100	I	7/75				
		1,500	54,100	100	II	7/75	X	X		X
F411-15	Math Science Library 1 (under Kronos 2.1)	540	24,840	540	II	7/75	X	X		X
F411-16	Time Sharing Module 1 (under Kronos 2.1)	1,700	NA	100	I	7/75				
		1,200	43,300	100	II	7/75	X	X		X
F411-17	Compiler Package 1 (under Kronos 2.1 includes interactive Fortran 1, Fortran Extended 4, Cobol 4, Algol-60 3, Basic 2, APL 1)	2,720	NA	500	I	7/75				
		1,980	71,780	500	II	7/75	X	X		X
F411-18	Algol-60, (under Kronos 2.1)				I	1/75				
		375	13,600	100	II	1/75	X	X		X
F403-01	Kronos 2.1 Package (Time Sharing Operating System includes Kronos 2.1, Compass 3, 6RM 1, SIS 2, SDA 1, Kronos Export/Import 200 1, req F403-02)	1,449		5,700	I	7/75	X			X
F403-02	Maintenance Package 1 (under Kronos 2.1, includes binary libraries for the execution time routines for Fortran Extended 3 and Cobol 3 from Kronos 2)	NC		NC	III		X			X
F403-03	Interactive Basic 2 (under Kronos 2.1)	NC		NC	I	7/75	X			X
F403-04	Interactive Fortran 1 (under Kronos 2.1)	250		100	I	7/75	X			X
F403-05	Fortran 2 (under Kronos 2.1)	NC		NC	I	7/75	X			X
F403-06	Fortran Extended 4 (under Kronos 2.1)	300		100	I	7/75	X			X
F403-07	Cobol 4 (under Kronos 2.1; verb)	300		100	I	7/75	X			X
F403-08	Sort/Merge 4 (under Kronos 2.1)	240		100	I	7/75	X			X
F403-09	Algol-60 3 (under Kronos 2.1)	300		600	II	1/75	X			X
F403-10	Simscript 3 (under Kronos 2.1)	420		600	II	7/75	X			X
F403-11	Simula 1 (under Kronos 2.1)	420		600	II	7/75	X			X
F403-12	Pert/Time 1 (under Kronos 2.1)	NC		NC	II	7/75	X			X
F403-13	Cyberlink 1 (under Kronos 2.1; permits user to link with Cybernet-TM1)	120		100	III					
F403-14	APL Package 1 (under Kronos 2.1; includes necessary drivers to support CDC 713 and other TTY compatible equipments. In addition, special AFL terminals such as the Tektronix 4013 and IBM 2741 are supported; the 2741 req OSE to the multiplexer)	300		600	I	7/75	X			X

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	SOFTWARE (1) (Contd.)										
F403-15	Tranex 1 (under Kronos 2.1; formerly identified as Transaction Subsystem 1)	360		100	I	7/75	X			X	
F403-17	Math Science Library 1 (under Kronos 2.1; more than 400 mathematical and statistical routines dealing with programmed arithmetic, elementary functions, polynomial and special functions, ordinary differential equations, interpolation, approximating and quadrature, linear algebra, probability, statistics, time series, nonlinear equations)	540	24,840	540	II	7/75	X			X	
F402-01	Kronos 2 Package (includes Kronos 2, Compass 2, Fortran 2, Interactive Basic, Interactive Fortran)	1,440		5,400	III		X			X	
F402-02	Fortran Extended 3 (under Kronos 2)	240		100	III		X			X	
F402-03	Cobol 3 (under Kronos 2; req F402-04 for Sort verb)	240		100	III		X			X	
F402-04	Sort/Merge 3 (under Kronos 2)	240		100	III		X			X	
F402-05	Algol-60 2 (under Kronos 2)	240		600	III		X			X	
F402-06	Export/Import-200 1 (under Kronos 2)	NC		NC	III		X			X	
F402-08	APT 2 (under Kronos 2)	NC		NC	III		X			X	
F402-09	Simula 1 (under Kronos 2)	240		100	III		X			X	
F402-10	Pert/Time 1 (under Kronos 2)	NC		NC	III		X			X	
F402-11	Math Science Library 1 (under Kronos 2; more than 400 mathematical and statistical routines dealing with programmed arithmetic, elementary functions, polynomials and special functions, ordinary differential equations, interpolation, approximation and quadrature, linear algebra, probability, statistics, time series, and nonlinear equations)	540		540	III		X			X	
F402-12	Simscript 3 (under Kronos 2)	420		600	III		X			X	
F312-01	Scope 3.4 Package (including Scope 3.4, Compass 3, 6RM 1, Form 1; req F312-02)	5,600	NA	5,700	I	7/75					
		3,500	131,700	5,700	II	7/75	X			X	
F312-02	Maintenance Package (under Scope 3.4)	NC	NC	NC	III		X			X	
F312-03	Fortran Extended 4 (under Scope 3.4)	600	NA	100	I	7/75					
		375	13,600	100	II	7/75	X			X	
F312-04	Cobol 4 (under Scope 3.4)	600	NA	100	I	7/75					
		375	13,600	100	II	7/75	X			X	
F312-05	Sort/Merge 4 (under Scope 3.4)	300	NA	100	I	7/75					
		240	8,740	100	II	7/75	X			X	
F312-06	PL/1 (under Scope 3.4)	600	NA	500	I	7/75					
		375	14,000	500	II	7/75	X			X	
F312-07	Intercom 4 (under Scope 3.4)	1,200	NA	100	I	7/75					
		1,000	36,100	100	II	7/75	X			X	
F312-08	Pert/Time 1 (under Scope 3.4)				I	7/75					
		NC	NC	NC	II	7/75	X			X	
F312-09	8231 Import High Speed 1 (under Scope 3.4)	NC	NC	NC	III	7/75	X			X	
F312-10	1700 Import High Speed 1 (under Scope 3.4)	NC	NC	NC	III	7/75	X			X	
F312-11	Basic 2 (under Scope 3.4)	500	NA	100	I	7/75					
		300	10,900	100	II	7/75	X			X	
F312-12	Simula 1 (under Scope 3.4)	550	NA	600	I	7/75					
		420	19,500	600	II	7/75	X			X	
F312-13	1700 MSOS Import High Speed 1 (under Scope 3.4)	150	NA	360	I	7/75					
		100	3,960	360	II	7/75	X			X	
F312-14	1700 Interactive Graphic Import-274 2 (under Scope 3.4)	150	NA	100	I	7/75					
		100	4,600	100	II	7/75	X			X	

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 17n	3000	6000	7600
	SOFTWARE (1) (Contd.)										
F312-15	Math Science Library 1 (under Scope 3.4)	540	24,840	540	II	7/75	X			X	
F312-16	Mars VI 2 (under Scope 3.4)	1,200	NA	100	I	7/75					
		800	36,100	100	II	7/75	X			X	
F312-17	Interactive Graphics-241 2 (under Scope 3.4)	200	9,100	100	II	7/75	X			X	
F312-18	241 Graphics Subsystem Resident 2 (under Scope 3.4)	100	4,600	100	II	7/75	X			X	
F312-19	Simscript 3 (under Scope 3.4)	420	19,500	600	II	7/75	X			X	
F312-20	Apex-II 1 (under Scope 3.4)	1,150	57,750	6,000	II	7/75	X				
F312-21	Apex-I 1 (under Scope 3.4)	500	23,500	1,000	II	7/75	X			X	
F312-22	CDC Command 1 (under Scope 3.4)	180	8,940	840	III		X			X	
F312-23	CBM 1 (under Scope 3.4)	240	11,640	840	III		X			X	
F312-24	APT IV 1 (under Scope 3.4)	750	38,250	1,500	II	7/75	X			X	
F312-25	Conversion Aids System 1 (under Scope 3.4)	150	NA	100	I	7/75					
		100	3,700	100	II	7/75	X			X	
F312-26	Query Update 2 (under Scope 3.4)	500	NA	100	I	7/75					
		360	13,060	100	II	7/75	X			X	
F312-27	DDL 1 (under Scope 3.4)	150	NA	100	I	7/75					
		100	3,700	100	II	7/75	X			X	
F312-28	Algol-60 4 (under Scope 3.4)	600	NA	600	I	7/75					
		400	15,000	600	II	7/75	X			X	
F312-29	Multi-Mainframe Capability 1 (under Scope 3.4)	1,200	NA	500	I	7/75					
		1,000	36,500	500	II	7/75	X			X	
F312-30	GPSS-V 1 (under Scope 3.4)	150	6,850	100	II	7/75	X			X	
F312-31	Compiler Package 1 (under Scope 3.4; includes Fortran Extended 4; Cobol 4; Algol-60 4; Basic 2)	1,840	NA	500	I	7/75					
		1,200	43,700	500	II	7/75	X			X	
F312-32	Communication Control Program (CCP) 1 (under Scope 3.4 2550 operations software req F312-08; req F312-03 and F312-34 for maintenance)	200	NA	500	I	7/76					
		100	3,700	500	II	7/76	X			X	
F312-33	CCP Support Software 1 (under Scope 3.4)	250	NA	500	I	12/75					
		200	7,700	500	II	12/75	X			X	
F311-01	Scope 3.3 Package (includes Scope 3.3, Compass 2, Fortran 2)		48,900	5,700	III		X			X	
F311-02	Basic Scope 3.3 Product Set	NC	NC	NC	III		X			X	
F311-03	1700 Import High Speed 1 (under Scope 3.3)	NC	NC	NC	III		X			X	
F311-04	APT IV 1 (under Scope 3.3)	750	34,250	1,500	III		X			X	
F311-05	Basic 2 (under Scope 3.3)	NC	NC	NC	III		X			X	
F311-06	Fortran Extended 3 (under Scope 3.3)	240	8,740	100	III		X			X	
F311-07	Cobol 3 (under Scope 3.3)	240	8,740	100	III		X			X	
F311-08	Sort/Merge 3 (under Scope 3.3)	240	8,740	100	III		X			X	
F311-09	Algol-60 3 (under Scope 3.3)	300	11,400	600	III		X			X	
F311-10	Simula 1 (under Scope 3.3)	420	19,500	600	III		X			X	
F311-11	1700 MSOS Import High Speed 1 (under Scope 3.3)	100	3,960	360	III		X			X	
F311-12	Time Critical Module 1 (under Scope 3.3)	200	7,300	100	III		X			X	
F311-13	Mars VI 2 (under Scope 3.3)	800	36,100	100	III		X			X	
F311-14	Interactive Graphic Export-274 2 (under Scope 3.3)	180	8,200	100	III		X			X	
F311-15	Jovial 1 (under Scope 3.3)	300	14,700	1,200	III		X			X	
F311-16	1700 Interactive Graphic Import-274 2 (under Scope 3.3)	100	4,600	100	III		X			X	
F311-17	Intercom 3 (under Scope 3.3)	600	21,700	100	III		X			X	
F311-18	Math Science Library 1 (under Scope 3.3)	540	24,840	540	III		X			X	
F311-19	CSSL III 1 (under Scope 3.3)	300	25,500	12,000	III		X			X	

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	SOFTWARE (1) (Contd.)										
F311-20	Interactive Graphic-241 2 (under Scope 3.3)	200	9,100	100	III			X		X	
F311-21	241 Graphics Subsystem Resident 2 (under Scope 3.3)	100	4,600	100	III			X		X	
F311-22	Simscript 3 (under Scope 3.3)	420	19,500	600	III			X		X	
F311-23	Seismic Data Processing Subsystem 2 (under Scope 3.3)	480	24,600	3,000	III			X		X	
F311-24	CDC Command 1 Package (under Scope 3.3; Materials Management Applications package; includes Inventory Control 1, Purchasing/Receiving 1, Requirements Planning 1, Work Order/Material Issue 1 Modules; req F303-35; req F303-09 for on-line inquiry)	180	7,320	840	III			X		X	
F311-25	CBM 1 Package (under Scope 3.3; combined Bill of Materials package; includes CBM 1, Forman 1, req F305-05)	240	9,480	840	III			X		X	
F303-01	Scope 3.4 Package (includes Scope 3.4, Compass 3, Saam 1, Forman 1, req F303-02, req a min of 49K wds of central memory)	1,750		5,700	I	7/75	X			X	
F303-02	Maintenance Package (under Scope 3.4; includes SYMPL 1 and other maintenance tools)	NC		NC	III			X		X	
F303-04	Fortran Extended 4 (under Scope 3.4)	300		100	I	7/75	X			X	
F303-05	Cobol (under Scope 3.4; req F303-06 for Sort verb)	300		100	I	7/75	X			X	
F303-06	Sort/Merge 4 (under Scope 3.4)	240		100	I	7/75	X			X	
F303-08	Query/Update 1 (under Scope 3.4)	120		100	I '74 III	7/74	X			X	
F303-09	Intercom 4 (under Scope 3.4; includes features of Export High Speed 1, and Interactive Graphics Export-274 2)	240		100	I	7/75	X			X	
F303-10	Pert/Time 1 (under Scope 3.4; previously part of F302-02)	NC		NC	I	7/75	X			X	
F303-12	8231 Import High Speed 1 (under Scope 3.4; previously part of F302-02)	NC		NC	I '74 III	7/74	X			X	
F303-13	1700 Import High Speed 1 (under Scope 3.4)	NC		NC	I '74 III	7/74	X			X	
F303-14	APT 2 (under Scope 3.4)	NC		NC	III						
F303-15	Basic 2 (under Scope 3.4)	NC		NC	I	7/75	X			X	
F303-16	Algol-60 3 (under Scope 3.4)	300		600	I '74 III	7/74	X			X	
F303-17	Simula 1 (under Scope 3.4)	420		600	I	7/75	X			X	
F303-18	1700 MSOS Import High Speed 1 (under Scope 3.4)	100		360	I	7/75	X			X	
F303-20	1700 Interactive Graphic Import-274 2 (under Scope 3.4)	100		100	I	7/75	X			X	
F303-21	Fortran 2 (under Scope 3.4)	NC		NC	I	7/75	X			X	
F303-22	Math Science Library 1 (under Scope 3.4)	540		540	II	7/75	X			X	
F303-23	Mars VI 2 (under Scope 3.4)	800		100	I	7/75	X			X	
F303-27	Interactive Graphics-241 2 (under Scope 3.4; req F303-09 and F303-28)	120		100	II	7/75	X			X	

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	SOFTWARE (1) (Contd.)										
F303-28	241 Graphics Subsystem Resident 2 (under Scope 3.4; req F303-27)	100		100	II	7/75	X			X	
F303-29	Simscript 3 (under Scope 3.4)	420		600	II	7/75	X			X	
F303-34	CDC Command 1 Package (under Scope 3.4; Materials Management Applications package; includes Inventory Control 1, Purchasing/Receiving 1, Requirements Planning 1, Work Order/Material Issue 1 modules; req F303-35; req F303-09 for on-line inquiry)	180		840	III			X		X	
F303-35	CBM 1 Package (under Scope 3.4; combined Bill of Materials package; includes CBM 1, Forman 1; req F303-05)	240		840	III			X		X	
F303-36	APT IV 1 (under Scope 3.4; req F303-04)	750		1,500	II	7/75	X			X	
F303-38	Conversion Aids System 1 (under Scope 3.4; provides automated conversion capability of application programs and files for 3000L master and MSCS Fortran (MS and ANSI) to Fortran Extended 4)	NC		NC	II	7/75	X			X	
F303-39	Query/Update 2 (under Scope 3.4; includes report extractor which operates independently of DDL 1; req F303-40)	360		100	I	7/75	X			X	
F303-40	DDL 1 (under Scope 3.4)	100		100	I	7/75	X			X	
F303-41	Algol-60 4 (under Scope 3.4)	400		600	I	7/75	X			X	
F302-01	Scope 3.3 Package (includes Scope 3.3, Compass 2, Fortran 2)	720		3,600	III					X	
F302-02	Basic Scope 3.3 Product Set (includes Pert/Time 1, Simscript 2, Export/Import 200 1, Export High Speed 1, and 8231 Import High Speed 1)	NC		NC	III					X	
F302-03	1700 Import High Speed 1 (under Scope 3.3)	NC		NC	III					X	
F302-04	APT 2 (under Scope 3.3)	NC		NC	III					X	
F302-05	Basic 2 (under Scope 3.3)	NC		NC	III					X	
F302-06	Fortran Extended 3 (under Scope 3.3)	240		100	III					X	
F302-07	Cobol 3 (under Scope 3.3; req F302-08)	240		100	III					X	
F302-08	Sort/Merge 3 (under Scope 3.3)	240		100	III					X	
F302-09	Algol-60 2 (under Scope 3.3)	240		600	III					X	
F302-10	Simula 1 (under Scope 3.3)	420		600	III					X	
F302-13	1700 MSOS Import High Speed 1 (under Scope 3.3)	100		360	III					X	
F302-14	Ophelie II 1 (under Scope 3.3) Service Center Installation	25 pct		24,000	III					X	
	Non-service Center Installation	1,440		6,000						X	
F302-16	Ophelie Mixed 1 (under Scope 3.3) Service Center Installation	25 pct		48,000	III					X	
	Non-service Center Installation	2,640		9,000							
F302-17	Time Critical Module 2 (under Scope 3.3)	200		100	III					X	
F302-18	Mars VI 2 (under Scope 3.3)	800		100	III					X	
F302-19	Interactive Graphic Export-274 2 (under Scope 3.3; req F302-02)	180		100	III					X	

Model No.	Description	Monthly Royalty $	Paid-Up License $	Initial Fee $	Category	Availability	Configurations: Cyber 70	Cyber 170	3000	6000	7600
	SOFTWARE (1) (Contd.)										
F302-20	Jovial 1 (under Scope 3.3)	300		1,200	III					X	
F302-21	1700 Interactive Graphic Import-274 2 (under Scope 3.3; req F302-13)	100		100	III					X	
F302-22	Compass 2 (under Scope 3.3)	NC		NC	III					X	
F302-23	Intercom 3 (under Scope 3.3)	225		100	III					X	
F302-25	Math Science Library (under Scope 3.3)	540		540	III					X	
F302-27	CSSL III 1 (under Scope 3.3)	300		12,000	III					X	
F302-28	Algol-60 3 (under Scope 3.3)	300		600	III					X	
F302-29	Cobol 35 (under Scope 3.3; req F302-08)	240		1,200	III					X	
F302-30	Interactive Graphics-241 2 (under Scope 3.3; req F302-23 and F302-31)	120		100	III					X	
F302-31	241 Graphics Subsystem Resident 2 (under Scope 3.3; req F302-30)	100		100	III					X	
F302-32	Simscript 3 (under Scope 3.3; req F302-22 and F302-06)	420		600	II	7/73				X	
F302-39	Seismic Data Processing System 2 (under Scope 3.3; includes Seismic monitor with following applications; normal move out calculation, normal move out, deconvolution, time variant filter, horizontal stack, and selected gather. Also includes software support for QSE items — sum of products algorithm module, 500 nanosecond, 24 bit and matrix algorithm processor II, 125 nanosecond, 24 bit; these QSES are recommended for performance considerations; 49K central memory req)	480		3,000	III					X	
F302-42	APT/IGS 1 Package (under Scope 3.3; req F302-19 and F302-21)	NC		NC	III					X	
F302-43	APT IV 1 (under Scope 3.4; req F302-06)	300		600	III					X	
F302-44	CDC Command 1 Package (under Scope 3.3; Materials Management Applications Package; includes Inventory Control 1, Purchasing/Receiving 1, Requirements Planning 1, Work Order/Material Issue 1 modules; req F302-45; req F302-23 for online inquiry)	180		840	III					X	
F302-45	CBM 1 Package (under Scope 3.3; combined Bill of Materials package; includes CBM 1 and Forman 1; req F302-07)	240		840	III					X	

Note: (1) Category I software is fully supported by CDC with programming assistance provided on the user's premises.
Category II software is fully supported by CDC but problems, assistance, etc. must be referred to CDC headquarters for resolution.
Category III software is sold or leased on an "as is" basis. CDC does not assume responsibility for their success.

NA Not Available
NC No Charge

DIGITAL EQUIPMENT CORPORATION

DEC System 10 Price Data

Model Number	Description	Purchase Price $	Monthly Maint $ (5-Day Wk) 12 HR	24 HR
	Prices for monthly rentals are not available at this time due to fluctuations in the money market.			
	CENTRAL PROCESSOR & WORKING STORAGE			
	Processor			
1060G	KI10 Processor with 1 MF10G (64K wds of memory, models 1060, 1070 and 1077)	528,500	1,900	2,400
1060H	KI10 Processor with 2 MF10A (64K wds of memory, models 1060, 1070 and 1077)	548,500	2,078	2,616
KI10	Central Processor (for multiprocessing options, model 1077)	200,000	555	680
KA10	Central Processor Package (models 1040, 1050 and 1055)	170,000	393	
	Processor Options			
DK10	Programmable Real-Time Clock	3,000	11	15
GP10	General Purpose Interface to DECsystem-10	6,000	NC	NC
GP10 L	GP10 Interface Logic Only	4,000	NC	NC
GP10 M	GP10 Power Supplies & Indicators Only	2,500	NC	NC
CAB 9B	Cabinet	645	NC	NC
	Memory			
MD10 E	MD10 Expansion Module (32K wds, 1.8 μsec, option drawer for MD 10A and G)	42,000	133	163
MF10 A	Memory Module (32K wds, 1 μsec)	50,000	311	381
MF10 E	Expansion Module (32K wds, 1 μsec)	35,000	133	163
MF10 G	Memory Module (64K wds, 1 μsec)	80,000	444	544
MC10	Memory Port & Cable	1,000	7	8
MX10	Memory Port Multiplexor	4,500	18	22
MX10 C	Memory Port Multiplexor (22-bit)	6,500	NC	NC
KI10 M	Memory Adapter	NC	NC	NC
DF10	Data Channel	14,000	67	82
DF10 C	Data Channel (22-bit)	20,000	78	96
	MASS STORAGE			
	Drums			
RM10 GA	Drum System (includes data channel, controller and RM10-BA drum, 345K words)	87,000	266	343
RM10 BA	Add-on Drum (60 Hz)	54,000	164	212
	Discs			
RH10 C	Add-on Fixed-Head Disc Drive (256K words)	18,000	12	24
RH10 D	Fixed-Head Disc Drive (256K words)	18,000	73	110
RH10 G	Fixed Head Disc Subsystem (includes controller and one fixed-head disc)	48,000	226	292
RH10 H	Swapping System (includes DF10 data channel, controller and one fixed-head disc)	62,000	294	380
RH10 J	Swapping Systems (includes DF10-C data channel, controller, and one fixed-head disc)	68,000	305	394
RP02-C	Disc System (includes data channel, controller and RP02 disc drive)	55,000	288	372
RP02	Add-on Disc Drive (with 5 million words, includes one RP02-P disc pack)	15,000	141	183
RP02-P	Disc Pack (for RP02/RP03 disc drives)	295	NC	NC
RP03-C	Disc System (includes data channel, controller and RP03 disc drive)	60,000	316	403
RP03	Disc Drive (with 10 million words, includes one RP02-P disc pack)	20,000	170	219
	INPUT/OUTPUT			
	Magnetic Tapes			
TU10C	Magnetic Tape System (includes controller and TU10A 9- or 7-track tape drive)	23,100	116	150
TM10-A	Tape Controller (for I/O bus attachment)	15,000	37	48
TU10A	Magnetic Tape Drive (36 KC)	8,100	79	102
TU40-C	Magnetic Tape System (with data channel, controller and TU40 9-track tape drive)	59,000	269	347
TM10-B	Tape Controller (for memory bus attachment)	20,000	43	55
TU40	Add-on Magnetic Tape Drive (120 KC, 9-track)	25,000	158	204
TU41-C	Magnetic Tape System (same as TU40-C except TU41 7-track drive replaces TU40)	59,000	269	347
TU41	Add-on Magnetic Tape Drive (120 KC, 7-track)	25,000	158	204
TD10-G	DECtape System (with TD10-C DECtape controller TU56 dual DECtape drive)	20,000	54	70
TD10-C	DECtape Controller	15,300	20	26
TU56	Add-on Dual DECtape Drive	4,700	34	44

Model Number	Description	Purchase Price $	Monthly Maint $ (5-Day Wk) 12 HR	24 HR
	Punch Card			
CR10-D	Reader (1,000 cpm)	14,000	90	117
CR10-E	Reader (1,200 cpm)	18,000	102	131
CR10F	Reader (300 cpm)	8,000	68	88
	Printers			
LSP10L	Printer (245 lpm, 64 char)	28,000	85	110
LP10F	Printer (1,250 lpm, 64 char)	47,500	153	197
LP10H	Printer (925 lpm, 96 char)	48,500	153	197
LP10-FE	EDP Drum (for LP10-F)	1,500	NC	NC
LP10-FF	Scientific Drum (for LP10-F)	1,500	NC	NC
LP10-HE	EDP Drum (for LP10-H)	2,500	NC	NC
LP10-HF	Scientific Drum (for LP10-H)	2,500	NC	NC
	Plotters			
XY10	Plotter Control	3,000	11	14
XY10-A	CALCOMP Plotter Model 565	9,000	34	44
XY10-B	CALCOMP Plotter Model 563	13,400	40	51
	DATA COMMUNICATIONS			
DC10-A	Data Line Scanner Control	10,000	10	23
DC10-B	8-Line Group	5,500	18	22
DC10-C	8-Line Telegraph Relay Assembly	3,000	19	23
DC10-D	Telegraph Power Supply	500	8	10
DC10-E	Expanded Dataset Control	5,500	19	23
DC10-F	Expander Cabinet	2,000	NC	NC
DA10	DECsystem-10 to PDP-8 Interface	10,800	22	27
DC76-A	16-Line Asynch Communication Multiplexor	53,390	296	363
DC76-D	16-Line Expansion Option (for DC76-A)	29,890	230	282
DC76-E	Incremental 16-Line Group (for DC76-A or DC76-D)	6,195	53	65
DC76-EC	Incremental 16-Line Group (with expander cabinet)	8,785	53	65
DC76-FA	8-Line 20 mA Current Loop Local Interface	860	18	22
DC76-FB	8-Line EIA Local Interface	1,490	18	22
DC76-FC	8-Line Full Modem Control Interface	1,720	27	33
DC76-FD	8-Line Integral Auto-Answer Modem Interface	4,240	89	109
DC75-A	Sync Communication System (includes DL10, DS11, PDP-11, 8 lines)	50,000	284	366
DC75-D	Expander Option (includes DS11, PDP-11, port on DL10, 8 lines)	30,000	212	260
DC75-E	Incremental 8-line Group	10,000	44	54
DS10	Single-Line Sync Interface	12,000	22	27
DC71-D	Terminal Concentrator Package (for DC71, includes 8 lines)	11,500	71	87
DC71-E	8 additional lines (for DC71-D)	5,500	33	41
DC72-A	Remote Station (includes 10 cps console; 300 CPM reader 165 cps, 64 char printer)	24,775	271	350
DC72-B	Remote Station (includes 10 cps console; 300 CPM reader; 173 LPM 96 char printer)	36,660	302	390
DC72-L	Terminal Concentrator Package (for DC72, includes 8 lines)	3,000	44	54
VT05B-A	Alphanumeric Terminal	2,795	25	32
LA30-C	DECwriter Terminal (serial)	3,195	34	44
LA30-E	DECwriter Terminal (serial)	3,195	34	44
GT40-A	DECgraphic-11 (includes PDP-11/05, 8K memory, DPU, 12" CRT, light pen, keyboard, DL11-E async interface, focal-GT)	14,500	150	184
LT33-A	Teleprinter-KSR-33 (for DC10)	1,275	28	37
LT33-B	Teleprinter-ASR-33 (for DC10 w/XON/XOFF)	1,940	34	44
LT33-C	Teleprinter-KSR-33 (for DC68A)	1,275	28	37
LT33-H	Teleprinter-ASR-33 (for DC68A)	1,940	34	44
LT35-A	Teleprinter-KSR-35 (for DC10)	3,240	25	32
LT35-C	Teleprinter-KSR-35 (for DC68A)	3,240	25	32

TYPE	DESCRIPTION	SINGLE LICENSE FEE $	MONTHLY LICENSE FEE $
	SOFTWARE		
QHSRT-10	QSORTII: COBOL/Stand-alone Sort Routine	6,000	175
QHDBM-10	DBMS-10; CODASYL Compatible Data Base Management System Version 1 (includes DDL processor, DBCS run time control module and COBOL V.5 extensions)	15,000	405
QHAPL-B	APL (basic version)	15,000	300
QHAPL-C	APL (basic version with double precision floating point)	16,500	375
QHAPL-E	APL (extended version)	28,500	600
QHAPL-F	APL (extended version with double precision floating point)	30,000	675

Model Number	Description	Purchase Price $	Monthly Maint $ (5-Day Wk) 12 HR	24 HR
QHRJE-10	DC72 Remote Station Software (if purchased without hardware)	3,000	NA	
QHTER-10	2741 - Type Terminal Monitor Support (requires DC10-H or modified DC10-B)	5,000	100/month plus 1,000 install.	
QH110-AC	PDP-11 Cross Assembler and Linker (MACY-11/LNKX-11)	7,500	250	
QHC02-LZ	DC76 Software (if purchased without hardware)	7,000	NA	
QHSYS-10	DECsystem-10 Software System	40,000	NA	
QH601	6.01 Monitor Virtual Memory Enhancement (VMSER) Module	7,000	NA	
QH602-AF	FORTRAN-10, Version 2 (includes FORDDT debugger)	1,000	NA	
QHLN2-AF	LINK-10, Version (includes overlay feature)	500	NA	
QHCAP-BD	CAAP-10; College Administrative Application Package with Program Library (Plan I: program and documentation only)	1,000	NA	
QHCAQ-BD	CAAP-10 (Plan II: program and documentation plus 5 days on-site training and planning)	6,000	NA	
QH307-CC	COGO-10 (Problem-oriented computer language and interactive programming system for solving geometric problems)	3,000	NA	

Notes:
NA Not Available
NC No Charge

PRICE DATA

Greyhound Computer, Phoenix System

MODEL NO.		MONTHLY LEASE PRICES *				
	CENTRAL PROCESSOR & WORKING STORAGE	1-year	2-year	3-year	4-year	5-year
30-128	Processing Unit (131,072 bytes)	5700	5000	4400	3900	3500
30-256	Processing Unit (262,144 bytes)	7700	6200	5400	4800	4300
30-384	Processing Unit (393,215 bytes)	9400	7400	6400	5700	5100
30-512	Processing Unit (524,288 bytes)	11,000	8700	7500	6600	6000
30-768	Processing Unit (786,432 bytes)	14,400	11,200	9600	8500	7600
30-1024	Processing Unit (1,048,576 bytes)	17,700	13,700	11,700	10,300	9300
	MASS STORAGE					
	IBM 2314					
	Direct Access Storage Facility					
2314-4	Mdl 4 (4 drives, 116.6 mb)	2332	2203	2074	1945	1816
2314-5	Mdl 5 (5 drives, 145.8 mb)	2744	2593	2443	2203	2142
2314-6	Mdl 6 (6 drives, 175.2 mb)	2877	2709	2542	2375	2207
2314-7	Mdl 7 (7 drives, 204.4 mb)	3262	3073	2884	2696	2507
2314-8	Mdl 8 (8 drives, 233.2 mb)	3660	3450	3240	3030	2820
2314-9	Mdl 9 (9 drives, 233.2 mb + spare)	3660	3450	3240	3030	2820
	CalComp					
CD22/14	Disk System (includes controller)					
	Mdl 1 (1 drive, 29.2 mb)	1502	1371	1306	1240	1178
	Mdl 2 (2 drives, 58.3 mb)	1778	1623	1545	1468	1395
	Mdl 3 (3 drives, 87.6 mb)	2054	1875	1786	1696	1611
	Mdl 4 (4 drives, 116.6 mb)	2330	2127	2026	1924	1828
	Mdl 5 (5 drives, 145.8 mb)	2606	2379	2266	2152	2044
	Mdl 6 (6 drives, 175.2 mb)	2882	2631	2506	2380	2261
	Mdl 7 (7 drives, 204.4 mb)	3158	2883	2746	2608	2478
	Mdl 8 (8 drives, 233.2 mb)	3424	3125	2986	2836	2694
	Mdl 9 (9 drives, 233.2 mb + spare)	3710	3387	3226	3064	2911
	Two-channel Switch	123	109	106	100	95
1015A	Disk System (includes controller)					
	Mdl 1 (1 drive, 58.3 mb)	1735	1580	1500	1440	1368
	Mdl 2 (2 drives, 116.7 mb)	2140	1950	1850	1780	1691
	Mdl 3 (3 drives, 175.0 mb)	2545	2320	2200	2120	2014
	Mdl 4 (4 drives, 233.4 mb)	2950	2690	2550	2460	2337
	Mdl 5 (5 drives, 291.7 mb)	3355	3060	2900	2800	2660
	Mdl 6 (6 drives, 350.0 mb)	3760	3430	3250	3130	2983
	Mdl 7 (7 drives, 408.3 mb)	4165	3800	3600	3480	3306
	Mdl 8 (8 drives, 466.8 mb)	4570	4170	3950	3820	3629
	Mdl 9 (9 drives, 466.8 mb + spare)	4975	4540	4300	4160	3952
	Two-Channel Switch	137	130	123	117	111
	INPUT/OUTPUT					
	IBM 2400 Series					
	Magnetic Tape Units					
2401-1	Mdl 1 (800 bpi, 30 kb)	277	250	237	223	210
2401-2	Mdl 2 (800 bpi, 60 kb)	371	332	313	293	274
2401-3	Mdl 3 (800 bpi, 90 kb)	524	461	429	398	367
2401-4	Mdl 4 (1600 bpi, 60 kb)	341	310	295	279	264
2401-5	Mdl 5 (1600 bpi, 120 kb)	430	388	366	345	323
2401-6	Mdl 6 (1600 bpi, 180 kb)	514	447	414	380	347
3741	Dual Density (Mdls 4, 5, or 6)	6	5	5	5	4
7160	Simultaneous Read/Write	6	5	5	5	4
2803-1	Tape Control (800 bpi)	455	403	377	351	325
2803-2	Tape Control (1600 bpi)	561	497	465	433	401
3228	Data Conversion	31	27	26	24	22
7125	7-Track Compatibility (2803-1)	35	31	29	27	25
5320	9-Track Compatibility (2803-2)	182	164	154	145	136
7235	7- & 9-Track Compatibility (2803-2)	298	268	253	238	213
2804-1	Magnetic Tape Control	658	584	546	509	472
2804-2	Magnetic Tape Control	764	677	634	591	548
3236	Data Conversion	31	28	26	24	22
7126	7-Track Compatibility (2804-1)	35	31	29	27	25
5321	9-Track Compatibility (2804-2)	182	164	154	145	136

PRICES — GREYHOUND COMPUTER, PHOENIX SYSTEM

MODEL NO.		MONTHLY LEASE PRICES*				
	INPUT/OUTPUT (CONTD.)	1-year	2-year	3-year	4-year	5-year
	CalComp					
345-1	Magnetic Tape Unit (1600 bpi, 200 kb)	463	422	402	382	363
345-2	Magnetic Tape Unit (800/1600 bpi, 100/200 kb)	484	442	420	399	379
1040-1	Magnetic Tape Controller (1600 bpi)	559	510	485	461	438
1040-2	Magnetic Tape Controller (800/1600 bpi)	621	567	539	512	486
2204	Two-Channel Switch	124	113	107	102	97
2205	2 x 16 Contrl	166	151	143	136	129
2206	3 x 16 Contrl	212	193	183	174	165
2207	4 x 16 Contrl	248	227	216	205	195
	Printers					
	IBM					
1403-2	Printer (6600 lpm)	643	583	553	523	493
1403-N1	Printer (1100 lpm)	748	678	643	608	573
8640	Universal Character Set	8	7	7	7	6
	Punched Card					
	IBM					
2540	Card Read/Punch	642	614	585	557	529
5895	Punch Feed Read	24	23	21	21	19
	Unit-Record Controllers					
	IBM					
2821-1	Control Unit (1 1403 + 1 2540)	798	720	681	642	604
2821-2	Control Unit (1 1403 only)	500	452	428	404	380
2821-5	Control Unit (2 1403's + 1 2540)	1294	1168	1106	1043	981
3615	1100 lpm Printer Adapter	59	53	50	47	44
5895	Punch Feed Read Control	45	40	38	36	34
8637	Universal Character Set Adapter	15	14	13	13	12

*Lease prices include equipment maintenance.

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
	CENTRAL PROCESSOR & WORKING STORAGE					
	SYSTEM: SERIES 60					
	Model 64/20					
CPS4200	64/20 CP	2,112	2,070	2,006	109,285	142
	Memory Expansion					
CMM4250	32K Memory	160	156	152	7,680	4
CMA4250	Memory Addressing	40	39	38	1,920	1
	Compatibility Modes					
CPF4004	Series 100	400	392	380	19,200	14
CPF4005	Series 200	400	392	380	19,200	14
	Console					
CSU4100	Console Unit	227	223	216	10,800	33
CSF4001	Console Printer (30 cps)	189	185	180	7,940	44
CSF4013	Status Display (CRT)	111	109	105	4,660	18
CSF4014	Console Display (CRT)	111	109	105	4,660	18
CSF4006	Printer (30 cps)	189	185	180	7,940	44
CSF4027	Keyboard Switch	51	50	48	2,140	7
CSF4028	Keyboard Switch	51	50	48	2,140	7
	Model 66/20					
CPS6200	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 10 channel function slots and 81,920 words of memory)	11,823	11,587	11,232	591,150	1,119
CPS6201	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 10 channel function slots and 98,304 words of memory)	12,292	12,046	11,677	614,600	1,169
CPS6202	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 10 channel function slots and 131,072 words of memory)	13,229	12,964	12,568	661,450	1,269
CPS6203	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 10 channel function slots and 196,608 words of memory)	15,102	14,800	14,347	755,100	1,469
CPS6204	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 10 channel function slots and 262,144 words of memory)	16,976	16,636	16,127	848,800	1,669
	Model 66/20: Options					
MXF6002	IOM Data Rate Expansion (max 1 for CPS6200-CPS6204)	459	444	408	21,120	30
MXF6003	IOM Expansion for CPS6200 (CPS6204 expands IOM from 10 channel function slots to 18)	416	408	395	20,800	32
	Model 66/40					
CPS6402	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 18 channel function slots and 131,072 words of memory)	22,185	21,741	21,076	1,087,050	1,575
CPS6403	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 18 channel function slots and 196,608 words of memory)	24,058	23,577	22,855	1,178,850	1,682
CPS6404	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 18 channel function slots and 262,144 words of memory)	25,932	25,413	24,635	1,270,650	1,789
CPS6406	Central Processing System (includes CPU, (1) integrated system controller and (1) freestanding system controller, integrated I/O multiplexer with 18 channel function slots, and 393,216 words of memory)	30,823	30,207	29,282	1,510,300	2,077
CPS6408	Central Processing System (includes CPU, (1) integrated system controller and (1) freestanding system controller, integrated I/O multiplexer with 18 channel function slots, and 524,288 words of memory)	34,570	33,879	32,842	1,693,950	2,291
	Model 66/40: Options					
CPU6400	Additional Central Processor for CPS6403-CPS6408 (max 1)	12,406	12,158	11,786	595,500	873

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
	Model 66/60: Integrated					
CPS6603	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 18 channel function slots and 196,608 words of memory)	29,871	29,274	28,377	1,448,750	1,805
CPS6604	Central Processing System (includes CPU, integrated system controller, integrated I/O multiplexer with 18 channel function slots, and 262,144 words of memory)	31,329	30,702	29,763	1,519,450	1,849
CPS6606	Central Processing System (includes CPU, (1) integrated system controller and (1) freestanding system controller, integrated I/O multiplexer with 18 channel function slots, and 393, 216 words of memory)	35,388	34,680	33,619	1,716,300	2,011
CPS6608	Central Processing System (includes CPU, (1) integrated system controller and (1) freestanding system controller, integrated I/O multiplexer with 18 channel function slots, and 524,288 words of memory)	38,302	37,536	36,387	1,857,650	2,099
	Model 66/60: Freestanding					
CPS6623	Central Processing System (includes CPU, freestanding system controller, freestanding I/O multiplexer with 35 channel function slots, and 196,608 words of memory)	31,100	30,478	29,545	1,508,350	1,879
CPS6624	Central Processing System (includes CPU, freestanding system controller, freestanding I/O multiplexer with 35 channel function slots, and 262,144 words of memory)	32,557	31,906	30,929	1,579,000	1,923
CPS6626	Central Processing System (includes CPU, (2) freestanding system controllers, freestanding I/O multiplexer with 35 channel function slots, and 393,216 words of memory)	36,616	35,884	34,785	1,775,900	2,085
CPS6628	Central Processing System (includes CPU, (2) freestanding system controllers, freestanding I/O multiplexer with 35 channel function slots, and 524,288 words of memory)	39,531	38,740	37,554	1,917,250	2,173
CPS6632	Central Processing System (includes CPU, (3) freestanding system controllers, freestanding I/O multiplexer with 35 channel function slots, and 786,432 words of memory)	46,504	45,574	44,179	2,255,450	2,423
CPS6636	Central Processing System (includes CPU, (4) freestanding system controllers, freestanding I/O multiplexer with 35 channel function slots, and 1,048,576 words of memory)	53,478	52,408	50,804	2,593,700	2,673
	Model 66/60: Options					
CPU6600	Additional Central Processor for CPS6603-CPS6636 (max 1 with integrated CPS, 3 with freestanding CPS)	15,820	15,504	15,029	759,400	956
	Model 66/80					
CPS6824	Central Processing System (includes CPU, freestanding system controller, freestanding I/O multiplexer with 35 channel function slots, and 262,144 words of memory)	42,272	41,427	40,158	2,050,200	3,097
CPS6826	Central Processing System (includes CPU, (2) freestanding system controllers, freestanding IOM with 35 channel function slots, and 393,216 words of memory)	46,332	45,405	44,015	2,247,100	3,259
CPS6828	Central Processing System (includes CPU, (2) freestanding system controllers, freestanding IOM with 35 channel function slots, and 524,288 words of memory)	49,246	48,261	46,784	2,388,400	3,347
CPS6832	Central Processing System (includes CPU, (3) freestanding system controllers, freestanding IOM with 35 channel function slots, and 786,432 words of memory)	56,219	55,095	53,408	2,726,600	3,597
CPS6836	Central Processing System (includes CPU, (4) freestanding system controllers, freestanding IOM with 35 channel function slots, and 1,048,576 words of memory)	63,193	61,929	60,033	3,064,850	3,847
	Model 66/80: Options					
CPU6800	Additional Central Processor Unit for CPS6824-CPS6836 (max 3)	25,084	24,582	23,830	1,204,000	1,838
	Models 66/40, 66/60, 66/80: Processor Options					
CPA6001	Central Processor Addressing (required when additional CPU is added to system; 1 for each system controller in system; also required when adding a freestanding system controller to system for redundancy — at least 1 required in this situation)	312	306	296	15,150	21

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
MXC6001	Freestanding System Controller for Fail-Soft (memory not included; controls up to 262,144 words of memory; at least 1 CPF6001 and MXF6001 required)	520	510	494	25,200	33
MXU6001	Freestanding I/O Multiplexer with 35 Channel Function Slots (for use when redundancy and/or additional channels are required; does not include channels)	3,213	3,119	2,893	155,850	197
MXA6001	I/O Multiplexer Addressing (required when MXU6001 is used; 1 for each system controller in system; also required when MXC6001 is used)	312	306	296	15,150	21
MXF6004	IOM Expansion (9 channel function slots; for use with CPS6403-CPS6408 and with CPS6604-CPS6608 only; max 1)	624	612	593	30,250	40
MXF6005	IOM Expansion (19 additional channel function slots; for use with freestanding IOM – max 1)	989	969	940	47,950	63
	Model 68/80 (Multics)					
CPS8824	Central Processing System for Multics (includes freestanding system control, freestanding I/O Multiplexer with 35 channel function slots, bulk store subsystem including control, port, 524,288 words of bulk store, and 262,144 words of main memory)	57,886	55,764	53,833	2,655,350	4,000
CPS8826	Central Processing System for Multics (includes (2) freestanding system controls, freestanding I/O multiplexer with 35 channel functions slots, bulk store subsystem including control, port, and 524,288 words of bulk store, and 393,216 words of main memory)	61,946	59,742	57,690	2,858,350	4,160
CPS8828	Central Processing System for Multics (includes freestanding system control, freestanding I/O multiplexer with 35 channel function slots, bulk store subsystem including control, port, and 524,288 words of bulk store, and 524,288 words of main memory)	64,860	62,598	60,459	3,004,050	4,250
CPS8832	Central Processing System for Multics (including (3) freestanding system controls, freestanding I/O multiplexer with 35 channel function slots, bulk store subsystem including control, port, and 524,288 words of bulk store, and 786,432 words of main memory)	71,833	69,432	67,083	3,352,700	4,500
CPS8836	Central Processing System for Multics (including (4) freestanding system controls, freestanding I/O multiplexer with 35 channel function slots, bulk store subsystem including control, port, and 524,288 words of bulk store, and 1,048,576 words of main memory)	78,807	76,266	73,708	3,701,400	4,750
CPS8844	Central Processing System for Multics (including (6) freestanding system controls, freestanding I/O multiplexer with 35 channel function slots, bulk store subsystem including control, port, and 524,288 words of bulk store, and 1,572,864 words of main memory)	92,754	89,934	86,958	4,398,750	5,250
CPS8852	Central Processing System for Multics (including (8) freestanding system controls, freestanding I/O multiplexer with 35 channel function slots, bulk store subsystem including control, port, and 524,288 words of bulk store, and 2,097,152 words of main memory)	106,701	103,602	100,208	5,096,100	5,750
CPU8800	Additional Central Processor Unit for CPS8824-CPS8852 (max of 3)	25,798	25,282	24,508	1,289,900	1,890
	Miscellaneous Features: All Models					
CSU6001	System Console (includes IOM channel and keyboard printer)	651	638	619	30,552	50
CSF6001	Remote Display (23-in.) for CSU6001	113	102	97	2,000	10
CSF6002	Remote Display for CSU6002	113	102	97	2,000	10
CSF6003	Interactive Local Display (12-in.) for CSU6001	79	77	74	3,710	10
CSU6002	System Control Center (includes IOM channel)	1,365	1,220	1,170	50,870	190
MGS6001	Motor Generator and Control Unit (31.3 KVA, 60 Hz, 208/440V ac input)	324	313	289	13,738	32
MGS6002	Motor Generator and Control Unit (62.6 KVA, 60 Hz, 440/480V ac input)	389	376	347	16,238	39
MGS6003	Motor Generator and Control Unit (62.6 KVA, 50 Hz, 380V ac input)	409	398	363	17,238	41
MGS6004	Motor Generator and Control Unit (62.6 KVA, 60 Hz, 208V ac input)	389	376	347	16,238	39

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
PSF0509	Manual Switch Adapter Kit	11	10	7	424	1
PSF0510	Manual CPI Switch Unit	48	46	43	1,910	3
PSF0511	Manual PSI/DAI/DLI Switch Unit	48	46	43	1,910	3
PSU0700	Manual Peripheral Switch Console (includes IBM channels)	518	503	460	22,780	40
PEF2001	Cabinet and Power System (for port expansion unit)	40	39	38	1,920	6
PEU2001	Port Expansion Unit (for 3 VRDs in nonsimultaneous mode)	110	108	105	5,280	16
	MASS STORAGE					
	Mass Storage Processors					
MSP0601	Mass Storage Processor (freestanding; max 1 x 32 or 2 x 16; includes IOM channel)	1,602	1,463	1,393	68,760	97
MSP0600	Mass Storage Processor (integrated; max 1 x 32 or 2 x 16; includes IOM channel)	989	903	858	42,440	66
MSF1019	Additional Nonsimultaneous Switched Channel (includes IOM channel)	213	208	191	8,800	10
MSF1020	Dual Simultaneous Channel for MSU0310 (includes IOM channel; requires MSA1028 and MSF0005 features)	1,061	969	921	44,000	133
MSF1021	Dual Simultaneous Channel for MSU0400/0450 (includes IOM channel; requires MSA1030 and MSF0002 features)	1,061	969	921	44,000	133
MSF1022	MSU310 Adapter	56	51	48	2,350	5
MSF1023	MSU0400/0450 Adapter	292	267	254	12,750	20
MSA1025	MSU0310 Device Addressing (4 devices)	56	51	48	2,350	5
MSA1027	MSU0400/0450 Device Addressing (4 devices)	163	149	142	7,000	12
MSA1028	Dual Channel Device Addressing (1/MSA1025) (MSU0310)	5	5	5	235	NC
MSA1030	Dual Channel Device Addressing (1/MSA1027) (MSU0400/MSU0450)	5	5	5	235	NC
MSF1031	Dual Processor Cross Bar Option (requires 2 single channel MSP; not required with MSF1020 or MSF1021 features; requires MSF0005 or MSF0002 features and MSA1028 or MSA1030)	1,061	969	921	40,000	100
MSF1032	Drive Expansion Feature (required when more than 16 MSU0310 drives are used with a single channel processor; 1/processor).	335	306	291	14,100	10
MSF1033	Same as MSF1032 Above for MSU0400/MSU0450	335	306	291	14,100	10
	Bulk Store System					
MBC6001	Controller (for level 68)	1,350	1,225	1,165	41,800	95
MBF6001	Control Port (for level 68)	113	102	97	3,600	5
MBF6002	Additional Channel (for level 68)	337	306	291	10,800	15
MBS6001	Unit (for level 68)	5,950	5,410	5,140	188,800	315
MBU6001	Memory (for level 68)	5,610	5,100	4,850	178,000	300
MBU6002	Memory (for level 68)	5,610	5,100	4,850	178,000	300
MBU6003	Memory (for level 68)	5,610	5,100	4,850	178,000	300
	Magnetic Disc					
MSU0310	Disc Unit (27.6M char)	341	334	324	15,345	55
MSU0400	Disc Unit (117M char; requires rotation position sensing (MSF0004) and IOM Data Rate Expansion) (MXF0002)	553	505	481	24,330	80
MSU0450	Disc Unit (235M char; requires MXF6002 (IOM data rate expansion) and includes rotational position sensing)	865	790	752	37,600	93
MSF0005	Dual Access Feature for MSU0310 (required with MSF1020 or MSF1031; 1/MSU0310)	56	51	48	2,295	8
MSF0002	Dual Access Feature for MSU0400/0450 (required with MSF1021 or MSF1031; 1/MSU0400/0450)	56	51	48	2,295	8
MSF0004	Rotational Position Sensing Feature (1 required/ MSU0400)	55	50	48	2,250	8
MSP4310	Series 200/2000 Mode	5	5	5	225	NC
MSF4002	MSU0400 Capability	1	1	1	45	NC
MSA4000	Addressing 4 Discs	320	293	278	13,440	31
	INPUT/OUTPUT					
	Magnetic Tape Processors					
MTP0200	Magnetic Tape Processor	458	418	397	21,070	70
MTF1021	Series 200/2000 Mode	56	51	48	2,295	5

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
MTF1023	IBM BCD Read/Write	56	51	48	2,295	5
MTF1024	NRZI Option	68	63	60	2,860	3
MTP0600	Magnetic Tape Processor (1x8) (includes IOM channel; for MTU0400 and MTU0500)	690	670	620	28,600	99
MTP0601	Magnetic Tape Processor (1x8) (includes IOM channel; for MTU0400, MTU0500, MTU0600)	690	670	620	28,600	99
MTF1040	Switched Tape Channel (includes IOM channel)	213	202	191	8,800	5
MTF1041	Dual Simultaneous Channel for up to 2x16 Operation (includes IOM tape channel, 2nd channel adapter)	1,115	1,085	995	46,200	119
MTA1041	Device Addressing (4 devices; MTU0400/0500; max 2 for 1x8, 4 for 2x16)	5	5	5	235	NC
MTA1042	Device Addressing (4 devices; MTU0400/0500/0600; max 2 for 1x8, 4 for 2x16)	5	5	5	235	NC
MTF1045	Code Trans ASCII to Level 66 (6-bit code)	27	26	23	1,000	NC
MTF1046	Code Trans EBCDIC to Level 66 (6-bit code)	27	26	23	1,000	NC
MTF1047	Code Trans EBCDIC to ASCII Code	27	26	23	1,000	NC
	Magnetic Tape					
MTU0210	Magnetic Tape Unit (37.5 ips)	264	241	229	11,090	50
MTU0211	Magnetic Tape Unit (37.5 ips)	216	197	187	9,070	41
MTF0101	Nine-Track (1,600 bpi)	50	46	44	2,500	8
MTF0102	Nine-Track (800/1,600 bpi)	74	68	65	3,650	28
MTF0103	Seven-Track (200/556/800 bpi)	74	68	65	3,650	28
MTA0301	Addressing MTU0210/0211	88	80	76	3,600	13
MTU0410	Magnetic Tape Unit (75 ips)	229	289	265	13,790	51
MTA0303	Addressing MTU0410	176	160	152	7,200	26
MTF0111	Nine-Track (1,600 bpi)	79	72	68	3,310	15
MTF0112	Nine-Track (800/1,600 bpi)	100	93	89	4,270	25
MTF0113	Seven-Track (200/556/800 bpi)	195	189	176	6,670	41
MTF0115	Seven-Track (200/556 bpi)	79	72	68	3,310	15
MTF0116	Seven-Track (556/800 bpi)	79	72	68	3,310	15
MTU0400	Magnetic Tape Drive (75 ips)	299	289	265	13,790	51
MTU0500	Magnetic Tape Drive (125 ips)	430	411	384	18,450	56
MTF0012	Dual Density Option (800-1,600 bpi; 9-track)	100	93	89	4,270	25
MTF0017	Full Density Option (200/556/800/1,600; 9-track)	195	189	176	6,670	41
MTF0013	NRZI (200/556/800; 7-track)	195	189	176	6,670	41
MTF0016	NRZI (7-track; 556/800 density)	79	72	68	3,310	15
MTF0018	Cartridge Load (factory installed only)	17	16	15	780	2
MTF0019	Cartridge Load (field installable)	17	16	15	780	2
MTF0020	High Altitude Blower (factory installed only)	5	5	5	243	NC
MTF0021	High Altitude Blower Kit (for field installation)	5	5	5	243	NC
MTF0022	DC Power-On Meter (factory installable only)	5	5	5	243	NC
MTF0023	Tape Movement Meter (factory installable only)	5	5	5	243	NC
MTU0600	Magnetic Tape Drive (200 ips)	548	500	476	22,700	66
MTF0612	9-Track (800/1,600-bpi density)	100	93	89	4,270	25
MTF0618	Cartridge Load (factory installed)	17	16	15	780	2
MTF0619	Cartridge Load (field installable)	17	16	15	780	2
MTF0620	High Altitude Blower (factory installed)	5	5	5	243	NC
MTF0621	High Altitude Blower (field installable)	5	5	5	243	NC
	Unit Record Processors					
URP0600	Unit Record Processor (freestanding; includes basic 4 port adapter; includes IOM channel)	552	541	524	24,345	27
URP0601	Unit Record Processor (integrated; includes basic 4 port adapter; includes IOM channel; for use with integrated control unit)	427	418	406	18,810	20
URP0602	Integrated Unit Record Processor for Use with Free-standing IOM (includes basic 4 port adapter; includes IOM channel; limits IOM capacity to 35 channel function slots)	427	418	406	18,810	20
URF0040	Unit Record Addressing (4 additional port attachments; expands URP to max of 8 ports; also required if printer types are mixed in 1 subsystem; PRU1200 and PRU1600 considered 1 type in this definition)	20	19	18	900	2
URF0041	Dual Switched Channel (includes IOM channel; max of 1)	174	171	160	8,148	10
URA0050	PCU0120 Addressing (1 required for each PCU0120)	102	100	97	4,500	4
URA0052	CRU1050 Addressing (1 required for each CRU1050)	182	178	173	8,010	25
URA0053	PRU1100 Addressing (1 required for each PRU1100)	41	40	39	1,800	8
URA0054	PRU1200 Addressing (1 required for each PRU1200)	173	158	150	7,585	13
URA0055	PRU1600 Addressing (1 required for each PRU1600)	173	158	150	7,585	13

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
URA0010	Addressing PRU0600	157	154	149	7,535	13
URA0012	Addressing PRU1200	157	154	149	7,535	13
URA0013	Addressing PRU1600	157	154	149	7,535	13
URA0017	Addressing CCU0400	86	84	82	4,130	12
URA0015	Addressing CRU0600/1050	66	65	63	3,170	7
URA0016	Addressing PCU0120	81	79	77	3,890	9
	Printers					
PRU0400	Printer (400 lpm)	580	568	551	26,680	164
PRU0600	Printer (600 lpm)	832	760	722	33,440	182
PRF0010	12 Additional Print Positions for PRU0400 and PRU0600	22	22	21	970	5
PRD0500	63 Characters (Series 50/100/G-200/400/600/6000)	One drum included in price of printer				
PRD0501	63 Characters (IBM)	One drum included in price of printer				
PRD0513	63 Characters (ASCII)	One drum included in price of printer				
PRD0601	96 Characters (ASCII U/L)	16	15	14	640	3
PRU1200	Printer (1,200 lpm, 136 positions; does not include belt)	1,175	1,073	1,022	49,350	263
PRU1600	Printer (1,600 lpm, 136 positions; does not include belt)	1,804	1,647	1,569	72,160	399
PRU1100	Line Printer (drum) (1,100 lpm, 132 positions)	1,010	920	875	35,400	220
PRF0022	24 Additional Print Positions for PRU1200 and PRU1600	67	61	58	2,900	10
PRB0402	48 Characters (IBM "AN")	99	90	86	3,960	48
PRB0500	63 Characters (Series 50/100/400/600/6000)	82	75	71	2,460	40
PRB0600	94 Characters (ASCII U/L)	99	90	86	3,960	48
PRB0703	64 Character Belt (Series 200/2000 character set)	82	75	71	2,460	40
PRD0514	64 Character Drum (Series 2000 character set, standard 407)	Drum price included with printer				
PRD0502	63 Character Drum (Series 2000 character set, standard Mark II)	Drum price included with printer				
	Punched Card					
PCU0120	Card Punch (100 cpm)	449	408	388	16,800	65
CRU0600	Card Reader (600 cpm)	398	363	345	17,500	63
CRU1050	Card Reader (1,050 cpm)	495	449	429	18,500	92
CRF0003	51 Column Read for CRU0600 and CRU1050	49	45	43	1,900	5
CCU0400	Card Reader/Punch (400/100 cpm)	564	553	536	24,815	102
	DATA COMMUNICATIONS					
	Front-End Processors					
DCP6624	Processor (48K-byte memory, IOM channel and peripheral subsystem adapter, general-purpose communications base, asynchronous communications base; Type 1, console)	1,739	1,588	1,512	81,780	166
DCP6632	Processor (64K-byte memory, IOM channel and peripheral subsystem adapter, 2 general-purpose communications bases, asynchronous communications base; Type 1, console)	2,654	2,423	2,308	124,874	253
	Options					
DCU6201	Asynchronous Communications Base (Type 2; max of 52 lines up to 110 bps; over 110 bps the number of lines is reduced)	540	530	483	24,800	105
DCU6202	General-Purpose Communications Base (max capacity, 32 lines)	665	645	590	30,000	129
DCF6001	Asynchronous Speed Adapter for General-Purpose Communications Base (110, 134.5, 150, 300, 1,050, 1,200, 1,800 bps)	5	5	5	240	NC
DCF6002	Asynchronous Speed Adapter for General-Purpose Communications Base (50, 110, 150, 200, 300, 600, 1,200 bps)	5	5	5	240	NC
DCF6003	Additional Bit Rate Option for Asynchronous Speed Adapter (50 bps)	5	5	5	240	NC
DCF6004	Additional Bit Rate Option for Asynchronous Speed Adapter (75 bps)	5	5	5	240	NC
DCF6005	Additional Bit Rate Option for Asynchronous Speed Adapter (134.5 bps)	5	5	5	240	NC
DCF6006	Additional Bit Rate Option for Asynchronous Speed Adapter (200 bps)	5	5	5	240	NC
DCF6007	Additional Bit Rate Option for Asynchronous Speed Adapter (600 bps)	5	5	5	240	NC

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Basic Monthly Maint. ($)
DCF6008	Additional Bit Rate Option for Asynchronous Speed Adapter (1,050 bps)	5	5	5	240	NC
DCF6009	Additional Bit Rate Option for Asynchronous Speed Adapter (1,800 bps)	5	5	5	240	NC
DCF6038	Additional Bit Rate Option for Asynchronous Speed Adapter (2,400 bps)	5	5	5	240	NC
DCF6010	Comm Channel Interface Asynchronous (2 channels) EIA RS232C	70	64	59	3,120	15
DCF6011	Comm Channel Interface Asynchronous (2 channels) Current Interface	62	57	51	2,650	9
DCF6012	Comm Channel Interface General-Purpose (1 channel) MIL STD 188C	72	67	62	3,190	10
DCF6013	Comm Channel Interface Synchronous (2 channels) ASCII	80	75	70	3,600	12
DCF6014	Comm Channel Interface Synchronous (2 channels) with Auto Call Unit	85	80	75	3,800	12
DCF6015	Comm Channel Interface Binary; Synchronous with CRC (1 channel)	87	82	77	3,920	19
DCF6016	Comm Channel Interface Broad Band (19,200 to 50,000 bps; 1 channel)	96	90	85	4,020	14
DCF6017	Comm Channel Interface General-Purpose (1 channel)	70	64	59	3,120	15
DCF6018	Comm Channel Interface General-Purpose with Auto Call Unit (1 channel)	75	70	64	3,360	16
DCF6019	High Level Data Link Control Channel (1 channel)	34	31	30	1,446	6
DCF6020	Direct Connect Capability; Asynchronous	10	10	10	440	5
DCF6021	Direct Connect Capability; Synchronous	23	22	20	968	5
DCF6022	Speed Adapter for Asynchronous Communications Base; Type 1 and Type 2 (50-75-100-200 bps)	5	5	5	240	NC
DCF6023	Speed Adapter for Asynchronous Communications Base; Type 1 and Type 2 (50-75-110-200 bps)	5	5	5	240	NC
DCF6024	Speed Adapter for Asynchronous Communications Base; Type 1 and Type 2 (75-110-150-300 bps)	5	5	5	240	NC
DCF6025	Speed Adapter for Asynchronous Communications Base; Type 1 and Type 2 (110-134.5-150-300 bps)	5	5	5	240	NC
DCF6026	Asynchronous Channel Group, EIA and Auto Call (3 channels and 1 auto call)	87	82	77	3,920	19
DCF6027	Asynchronous Channel Group, EIA Interface (4 channels)	80	75	70	3,600	12
DCF6028	Asynchronous Channel Group, Current Interface (4 channels)	57	51	46	2,450	12
DCF6029	Asynchronous Channel Group, MIL STD 188C (4 channels)	87	82	77	3,920	19
DCF6030	Computer Monitor Adapter	266	255	240	11,000	30
DCF6031	Line Transfer Device	556	515	490	24,341	62
DCF6032	Line Expansion Function Asynchronous; Six Lines (between data set & 2 comm bases)	50	46	44	2,169	5
DCF6033	Line Expansion Function Asynchronous; 6 Comm Channel Interfaces (between comm base and 2 data sets)	50	46	44	2,169	5
DCF6034	Line Expansion Function Asynchronous or Synchronous; 4 lines (between Comm bases)	50	46	44	2,169	5
DCF6035	Line Expansion Function Asynchronous or Synchronous; 4 lines (between groups of data sets)	50	46	44	2,169	5
DCF6036	Line Expansion Function Current Interface; 24 lines	50	46	44	2,169	5
DCF6037	Network Processor Control Console and Adapter	153	143	133	6,160	45
DCC4100	Integrated Communications Control (1-6 lines)	247	242	235	11,855	25
DCA4005	Addressing Asynchronous Line (45.5 to 600 baud)	30	29	28	1,440	3
DCA4010	Addressing Asynchronous Line (300 to 2,400 baud)	40	39	38	1,920	4
DCA4015	Addressing Synchronous Line (600 to 2,400 baud)	45	44	43	2,160	5
DCA4020	Addressing Synchronous Line (2,400 to 19,200 baud)	50	49	48	2,400	5
DCF4101	Terminal Support Type 1	1	1	1	45	NC
DCF4102	Terminal Support Type 2	1	1	1	45	NC
DCF4103	Terminal Support Type 3	1	1	1	45	NC
DCA2001	Addressing – Asynchronous	60	59	57	2,880	20
DCA2002	Addressing – Synchronous	60	59	57	2,880	20
DCF2100	Line Terminator – Asynchronous Direct Connect	15	15	14	720	5
DCF2101	Line Terminator – Asynchronous Lines	60	59	57	2,880	20
DCF2102	Line Terminator – Synchronous Lines	70	69	67	3,360	23

Model Number	Description	Monthly Rental ($) Base Agreement Term 1-Year	3-Year	5-Year	Purchase Price ($)	Monthly License Fee ($)
	SOFTWARE					
	System Software					
SBC0005	Communication Software for Synchronous Terminals		Not Applicable			175
SBC0006	Communications Software for Asynchronous Terminals		Not Applicable			120
SBL0002	RPG Compiler		Not Applicable			46
SBL0005	American National Standard Cobol-74 Compiler		Not Applicable			77
SBS0200	GCOS Level 62 Basic Supervisor		Not Applicable			NA
SBU0002	Sort/Merge		Not Applicable			46
SBU0003	Test Data Generator		Not Applicable			15
SBU0005	Basic Utilities		Not Applicable			10
SBV0004	Series 100 File Conversion Package		Not Applicable			NA
SBV0006	360/20 Card Conversion Package		Not Applicable			NA
SBV0007	360/20 Disc Conversion Package		Not Applicable			NA
SBV0009	Series 200 Easycoder to Level 62 Cobol Translator		Not Applicable			NA
SBV0010	Series 200 Cobol to Level 62 Cobol Translator Conversion		Not Applicable			NA
SFL6001	American National Standard Cobol-74 Compiler, with Supporting Libraries		Not Applicable			178
SFL6002	PL/I Compiler with Supporting Library		Not Applicable			255
SFL6101	Multics — PL/I Compiler and Library		Not Applicable			NA
SFL6102	Multics — Fortran Compiler		Not Applicable			350
SFL6103	Multics — Basic Compiler		Not Applicable			350
SFL6104	Multics — Cobol-74		Not Applicable			350
SFL6105	Multics — APL		Not Applicable			350
SFP6001	Data Management System		Not Applicable			800
SFS6001	Transaction Driven System		Not Applicable			1,000
SFS6100	Multics Operating System		Not Applicable			NA
SFS6106	Multics — GCOS Environment		Not Applicable			500
SFS6108	Multics — Remote Batch		Not Applicable			150
	Program Products					Monthly Rental ($)
ADD0001	Level 64 — Inventory Management System/I		Not Applicable			NC
ADD0002	Level 64 — Inventory Management System/II		Not Applicable			NC
ADD0003	Level 64 — Vehicle Scheduling		Not Applicable			NC
ADD0004	Sales Order Processing		Not Applicable			NC
ADE0001	Level 64 — Student Scheduling		Not Applicable			NC
ADE0002	Level 64 — Attendance and Grade Reporting		Not Applicable			NC
ADF0001	Level 64 — Accounts Receivable		Not Applicable			NC
ADF0002	Level 64 — Accounts Payable		Not Applicable			NC
ADF0003	Level 64 — General Ledger		Not Applicable			NC
ADF0004	Level 64 — Payroll		Not Applicable			NC
ADH0001	Level 64 — MEDACS		Not Applicable			NC
ADM0002	Level 64 — Inventory Mgmt System/2000		Not Applicable			NC
ADM0003	Level 64 — Production Scheduling and Control/2000		Not Applicable			179
AEB0002	Level 66 — BISNET		Not Applicable			NC
AEB0003	Level 66 — Metropolitan Online Savings System		Not Applicable			250
AEB0004	Level 66 — Document Entry } CHECS		Not Applicable			NC
AEB0005	Level 66 — Proof and Transit } CHECS					
AEM0001	Inventory Mgmt System/66		Not Applicable			NC
AEM0003	Level 66 — Production Scheduling and Control		Not Applicable			300

		Monthly Lease ($)	Paid-Up Lease ($)	Annual Maint. ($)
AES0001	Level 66 — ANC. Full APT with Independent Post Processor	100	—	—
AES0003	Level 66 — MPS.Linear Programming with Extended Features including Direct Access	200	—	—
AES0004	Level 66 — MPS. File Management and Report Writer Features	400	—	—
AES0005	Level 66 — GPSS. Compatible General-Purpose Simulation System for Discrete Systems Modeling	125	—	—
AES0006	Level 66 — BMD Statistics. Set of Statistics Programs	NA	500	300
AES0008	Level 66 — ASTRA. PERT/CPM Network Project Control with Resource Allocation	NA	1,000	300
AES0009	Level 66 — NASTRAN. NASA Developed Structural Analysis	NA	3,000	300
AES0010	Level 66 — Computerized Publication. Concordance (error checking features)	200	—	—
AES0011	Level 66 — Computerized Publication. Text Processor (uses text editor)	NC	NC	—

— Not Applicable NA Not Available NC No Charge

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR & WORKING STORAGE			
	SYSTEM: Series 200			
	Model 105			
106-1	Central Processor (includes 16,384 char of memory, control panel, power supply)(3)	570	27,170	83
106-2	Central Processor (includes 24,576 char of memory, control panel, power supply)	1,055	46,560	154
106-3	Central Processor (includes 32,768 char of memory, control panel, power supply)	1,485	60,060	216
	Features for the 106			
1014	8-Bit Code Handling Instruction	28	1,250	3
1019-1	Simultaneous Use of Third R/W Channel	70	3,025	11
	Model 110			
111-1	Central Processor (includes 4,096 char of memory, control panel, power supply)(2)	975	39,600	112
111-2	Central Processor (includes 8,192 char of memory, control panel, power supply)(2)	1,130	45,900	126
111-3	Central Processor (includes 12,288 char of memory, control panel, power supply)(2)	1,400	57,150	141
111-4	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	1,680	68,625	155
111-5	Central Processor (includes 20,480 char of memory, control panel, power supply)(2)	1,900	77,625	167
111-6	Central Processor (includes 24,576 char of memory, control panel, power supply)(2)	2,125	86,625	180
111-7	Central Processor (includes 28,672 char of memory, control panel, power supply)(2)	2,345	95,625	191
111-8	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	2,560	104,625	202
	Features for the 111			
1111	Advanced Programming Instructions	81	3,240	8
1113	Editing Instructions	55	2,160	5
1119	Simultaneity for Second R/W Channel	240	9,900	18
	Model 110-2			
114-2	Central Processor (includes 8,192 char of memory, control panel, power supply)(3)	1,170	47,250	227
114-3	Central Processor (includes 12,288 char of memory, control panel, power supply)(3)	1,445	58,500	243
114-4	Central Processor (includes 16,384 char of memory, control panel, power supply)(3)	1,720	69,975	256
114-5	Central Processor (includes 20,480 char of memory, control panel, power supply)(3)	1,945	78,975	268
114-6	Central Processor (includes 24,576 char of memory, control panel, power supply)(3)	2,165	87,975	281
114-7	Central Processor (includes 28,672 char of memory, control panel, power supply)(3)	2,380	96,975	292
114-8	Central Processor (includes 32,768 char of memory, control panel, power supply)(3)	2,600	105,975	304
	Model 110-3			
113-2	Central Processor (includes 8,192 char of memory, control panel, power supply)(3)	1,485	60,300	227
113-3	Central Processor (includes 12,288 char of memory, control panel, power supply)(3)	1,760	71,550	243
113-4	Central Processor (includes 16,384 char of memory, control panel, power supply)(3)	2,040	83,025	256
113-5	Central Processor (includes 20,480 char of memory, control panel, power supply)(3)	2,260	92,025	268
113-6	Central Processor (includes 24,576 char of memory, control panel, power supply)(3)	2,480	101,025	281
113-7	Central Processor (includes 28,672 char of memory, control panel, power supply)(3)	2,700	110,025	292
113-8	Central Processor (includes 32,768 char of memory, control panel, power supply)(3)	2,920	119,025	304
	Model 115			
116-1	Central Processor (includes 16,384 char of memory, control panel, power supply)	1,145	50,020	168
116-2	Central Processor (includes 24,576 char of memory, control panel, power supply)	1,460	63,985	215
116-3	Central Processor (includes 32,768 char of memory, control panel, power supply)	1,780	77,905	262
	Features for the 116			
1019	Simultaneity for Third R/W Channel	133	5,810	13
1014	8-Bit Code Handling Instruction	28	1,250	3
1044	Direct Transcription	65	2,250	6
	Model 115/2			
117-1	Central Processor (includes 32,768 char of memory, control panel, power supply)	2,170	98,880	302
117-2	Central Processor (includes 49,152 char of memory, control panel, power supply)	2,780	126,720	388
117-3	Central Processor (includes 65,536 char of memory, control panel, power supply)	3,395	154,560	475
	Features for the 117			
015	Eight Additional Unit Loads of Power	171	6,480	15
016	Auxiliary R/W Channel	65	2,160	5
018	Expansion of Disk Control	65	2,160	5
1044	Direct Transcription	65	2,250	6
	Model 120			
121-1	Central Processor (includes 2,048 char of memory, control panel, power supply)(2)	940	37,155	102
121-2	Central Processor (includes 4,096 char of memory, control panel, power supply)(2)	1,070	42,555	112
121-3	Central Processor (includes 8,192 char of memory, control panel, power supply)(2)	1,360	53,355	126
121-4	Central Processor (includes 12,288 char of memory, control panel, power supply)(2)	1,625	64,155	141
121-5	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	1,900	74,955	155
121-6	Central Processor (includes 20,480 char of memory, control panel, power supply)(2)	2,115	83,595	167
121-7	Central Processor (includes 24,576 char of memory, control panel, power supply)(2)	2,335	92,235	180
121-8	Central Processor (includes 28,672 char of memory, control panel, power supply)(2)	2,550	100,875	191
121-9	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	2,775	109,515	202
	Features for the 121			
1011	Advanced Programming Instructions	81	3,240	8
1013	Editing Instructions	55	2,160	5
1014	8-Bit Code Handling Instruction	28	1,250	3
1015	Series 200 Control Unit Adapter	171	6,480	18
1016	Series 200 Control Unit Adapter and R/W Channel	337	12,960	35
	Model 120-0			
121-0-1	Central Processor (includes 2,048 char of memory, control panel, power supply)(2)	890	34,905	102
121-0-2	Central Processor (includes 4,096 char of memory, control panel, power supply)(2)	1,015	40,305	112
121-0-3	Central Processor (includes 8,192 char of memory, control panel, power supply)(2)	1,305	51,105	126
121-0-4	Central Processor (includes 12,288 char of memory, control panel, power supply)(2)	1,570	61,905	141
121-0-5	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	1,850	72,705	155
121-0-6	Central Processor (includes 20,480 char of memory, control panel, power supply)(2)	2,060	81,345	167

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Model 120-0 (Contd.)			
121-0-7	Central Processor (includes 24,576 char of memory, control panel, power supply)(2)	2,285	89,985	180
121-0-8	Central Processor (includes 28,672 char of memory, control panel, power supply)(2)	2,495	98,625	191
121-0-9	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	2,720	107,265	202
	Features for the 121-0			
011-0	Advanced Programming Instructions	81	3,240	8
013-0	Editing Instructions	55	2,160	5
1015-0	Series 200 Control Unit Adapter	171	6,480	18
1016-0	Series 200 Control Unit Adapter and R/W Channel	337	12,960	35
	Model 120-3			
121A-3	Central Processor (includes 8,192 char of memory, control panel, power supply)(3)	1,710	66,865	245
121A-4	Central Processor (includes 12,288 char of memory, control panel, power supply)(3)	1,980	77,615	260
121A-5	Central Processor (includes 16,384 char of memory, control panel, power supply)(3)	2,260	88,365	274
121A-6	Central Processor (includes 20,480 char of memory, control panel, power supply)(3)	2,475	96,965	286
121A-7	Central Processor (includes 24,576 char of memory, control panel, power supply)(3)	2,695	105,565	298
121A-8	Central Processor (includes 28,672 char of memory, control panel, power supply)(3)	2,915	114,165	311
121A-9	Central Processor (includes 32,768 char of memory, control panel, power supply)(3)	3,130	122,765	321
	Features for the 121A			
1015-3	Series 200 Control Unit Adapter	171	6,480	18
1016-3	Series 200 Control Unit Adapter and R/W Channel	337	12,960	35
	Model 125			
126-1	Central Processor (includes 4,096 char of memory, control panel, power supply)(2)	1,360	53,535	141
126-2	Central Processor (includes 8,192 char of memory, control panel, power supply)(2)	1,645	64,335	155
126-3	Central Processor (includes 12,288 char of memory, control panel, power supply)(2)	1,910	75,135	170
126-4	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	2,190	85,935	185
126-5	Central Processor (includes 20,480 char of memory, control panel, power supply)(2)	2,460	96,775	197
126-6	Central Processor (includes 24,576 char of memory, control panel, power supply)(2)	2,685	105,415	210
126-7	Central Processor (includes 28,672 char of memory, control panel, power supply)(2)	2,895	114,055	220
126-8	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	3,120	122,695	232
126-2-9	Central Processor (includes 40,960 char of memory, control panel, power supply)(2)	3,630	138,600	250
126-2-10	Central Processor (includes 49,152 char of memory, control panel, power supply)(2)	4,125	157,500	268
126-2-11	Central Processor (includes 57,344 char of memory, control panel, power supply)(2)	4,465	170,520	286
126-2-12	Central Processor (includes 65,536 char of memory, control panel, power supply)(2)	4,800	183,330	304
	Features for the 126			
1011	Advanced Programming Instructions	81	3,240	8
1013	Editing Instructions	55	2,160	5
1014	8-Bit Code Handling Instruction	28	1,250	3
1017	Simultaneity for Third R/W Channel	171	6,480	18
1018	Auxiliary R/W Channel (requires feature 1017)	65	2,160	5
	Model 125-3			
127-2	Central Processor (includes 8,192 char of memory, control panel, power supply)(3)	2,080	81,485	274
127-3	Central Processor (includes 12,288 char of memory, control panel, power supply)(3)	2,355	92,235	289
127-4	Central Processor (includes 16,384 char of memory, control panel, power supply)(3)	2,625	102,985	304
127-5	Central Processor (includes 20,480 char of memory, control panel, power supply)(3)	2,910	113,950	316
127-6	Central Processor (includes 24,576 char of memory, control panel, power supply)(3)	3,125	122,550	328
127-7	Central Processor (includes 28,672 char of memory, control panel, power supply)(3)	3,345	131,150	340
127-8	Central Processor (includes 32,768 char of memory, control panel, power supply)(3)	3,560	139,750	352
	Features for the 127			
1017	Simultaneity for Third R/W Channel	171	6,480	18
1018	Auxiliary R/W Channel (requires feature 1017)	65	2,100	5
	Model 125-4(4)			
128-2	Central Processor (includes 8,192 char of memory, control panel, power supply)	(10) —	46,410	133
128-3	Central Processor (includes 12,288 char of memory, control panel, power supply)	(10) —	53,970	149
128-4	Central Processor (includes 16,384 char of memory, control panel, power supply)	(10) —	61,320	164
128-5	Central Processor (includes 20,480 char of memory, control panel, power supply)	(10) —	68,880	181
128-6	Central Processor (includes 24,576 char of memory, control panel, power supply)	(10) —	76,440	196
128-7	Central Processor (includes 28,672 char of memory, control panel, power supply)	(10) —	84,000	212
128-8	Central Processor (includes 32,768 char of memory, control panel, power supply)	(10) —	91,560	227
	Features for the 128			
1012	Program Interrupt	(10) —	2,160	5
1018-3	Auxiliary R/W Channel	(10) —	2,160	5
	Model 200			
201	Central Processor (includes 2,048 char of memory, control panel, power supply)(2)	1,070	41,040	91
202-1	2,048-Character Memory Module (must be first module added to 201; not more than one 202-1 may be added)(2)	139	5,400	8
202-2	4,096-Character Memory Module (202-1 is a prerequisite; max of seven 202-2 Memory Modules per system)(2)	283	10,800	16
201-1	Central Processor (includes 2,048 char of memory, control panel, power supply, multiply/divide capability)(2)	1,350	51,840	115
202-3	2,048-Char Memory Module (must be first module added to the 201-1; not more than one 202-3 may be added)(2)	139	5,400	8
202-4	4,096-Char Memory Module (202-3 is a prerequisite; max of seven 202-4 Memory Modules per system)(2)	283	10,800	16
202-5	8,192-Char Memory Module (seven 202-4 modules are a prerequisite; max of four 202-5 Memory Modules per system)(2)	341	12,960	18
	Features for the 201 and 201-1			
011	Advanced Programming Instructions	124	4,320	11
012	Program Interrupt (std on 201-1)	65	2,160	5
013	Editing Instructions	113	3,890	9
015	Eight Additional Unit Loads of Power	171	6,480	15
016	One Auxiliary Read/Write Channel	65	2,160	5

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features for the 201 and 201-1 (Contd.)			
201-2-1	Central Processor (includes 4,096 char of memory, control panel, power supply)(2)	1,505	57,240	127
201-2-2	Central Processor (includes 8,192 char of memory, control panel, power supply)(2)	1,795	68,040	142
201-2-3	Central Processor (includes 12,288 char of memory, control panel, power supply)(2)	2,070	78,840	157
201-2-4	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	2,355	89,640	171
201-2-5	Central Processor (includes 20,480 char of memory, control panel, power supply)(2)	2,635	100,440	186
201-2-6	Central Processor (includes 24,576 char of memory, control panel, power supply)(2)	2,915	111,240	201
201-2-7	Central Processor (includes 28,672 char of memory, control panel, power supply)(2)	3,205	122,040	216
201-2-8	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	3,485	132,840	231
201-2-9	Central Processor (includes 40,960 char of memory, control panel, power supply)(2)	3,820	145,800	249
201-2-10	Central Processor (includes 49,152 char of memory, control panel, power supply)(2)	4,160	158,760	267
201-2-11	Central Processor (includes 57,344 char of memory, control panel, power supply)(2)	4,505	171,720	285
201-2-12	Central Processor (includes 65,536 char of memory, control panel, power supply)(2)	4,835	184,680	303
	Features for the 201-2			
010	Advanced Programming	124	4,320	11
013	Editing Instructions	113	3,890	9
015	Eight Additional Unit Loads of Power	171	6,480	15
016	One Auxiliary Read/Write Channel	65	2,160	5
	Model 1015			
1016C-1	Central Processor (includes 65,536 char of memory, control panel, power supply)(5)	4,300	196,080	330
1016C-2	Central Processor (includes 98,304 char of memory, control panel, power supply)(5)	5,460	248,880	370
1016C-3	Central Processor (includes 131,072 char of memory, control panel, power supply)(5)	6,410	292,080	405
	Features for the 1015			
1100A	Scientific Unit	620	24,750	48
	Model 1200			
1201-1	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	2,960	112,320	233
1201-2	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	3,995	146,880	282
1201-3	Central Processor (includes 49,152 char of memory, control panel, power supply)(2)	4,790	177,120	323
1201-4	Central Processor (includes 65,536 char of memory, control panel, power supply)(2)	5,660	205,200	362
1201-5	Central Processor (includes 81,920 char of memory, control panel, power supply)(2)	6,160	224,640	388
1201-6	Central Processor (includes 98,304 char of memory, control panel, power supply)(2)	6,620	241,920	413
1201-7	Central Processor (includes 114,688 char of memory, control panel, power supply)(2)	7,020	257,040	440
1201-8	Central Processor (includes 131,072 char of memory, control panel, power supply)(2)	7,420	272,160	459
	Features for the 1201			
0191	Opt Instruction Package	65	2,160	5
1100	Scientific Unit(3)	492	19,350	48
1100A	Scientific Unit	620	24,750	48
1114	Storage Protection	65	2,160	5
1120	Extended Multiprogramming and 8-Bit Transfer (requires feature 1114)	264	10,530	45
	Model 1250			
1251-1	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	4,240	156,880	300
1251-2	Central Processor (includes 49,152 char of memory, control panel, power supply)(2)	5,040	187,120	342
1251-3	Central Processor (includes 65,536 char of memory, control panel, power supply)(2)	5,900	215,200	382
1251-4	Central Processor (includes 81,920 char of memory, control panel, power supply)(2)	6,410	234,640	407
1251-5	Central Processor (includes 98,304 char of memory, control panel, power supply)(2)	6,860	251,920	432
1251-6	Central Processor (includes 114,688 char of memory, control panel, power supply)(2)	7,260	267,040	458
1251-7	Central Processor (includes 131,072 char of memory, control panel, power supply)(2)	7,660	282,160	479
1251-8	Central Processor (includes 163,840 char of memory, control panel, power supply)(2)	8,520	319,400	527
1251-9	Central Processor (includes 196,608 char of memory, control panel, power supply)(2)	9,210	354,400	574
1251-10	Central Processor (includes 229,376 char of memory, control panel, power supply)(2)	9,810	390,000	627
1251-11	Central Processor (includes 262,144 char of memory, control panel, power supply)(2)	10,360	424,000	674
	Features for the 1251			
0191	Opt Instruction Package(2)	65	2,160	5
1100	Scientific Unit(3)	492	19,350	48
1100A	Scientific Unit(2)	620	24,750	48
1114	Storage Protection(2)	65	2,160	5
1120	Extended Multiprogramming and 8-Bit Transfer (requires feature 1114)(2)	264	10,530	45
	Model 2015			
2016-1	Central Processor (includes 98,304 char of memory, control panel, power supply)(5)	7,000	319,200	490
2016-2	Central Processor (includes 131,072 char of memory, control panel, power supply)(5)	7,480	340,800	525
2016-3	Central Processor (includes 196,608 char of memory, control panel, power supply)(5)	9,320	424,800	585
2016-4	Central Processor (includes 262,144 char of memory, control panel, power supply)(5)	10,420	475,200	640
	Features for the 2015			
1100A	Scientific Unit	620	24,750	48
1123	Third I/O Sector	740	33,600	36
	Model 2200			
2201-1	Central Processor (includes 16,384 char of memory, control panel, power supply)(2)	4,030	153,360	339
2201-2	Central Processor (includes 32,768 char of memory, control panel, power supply)(2)	5,160	196,560	399
2201-3	Central Processor (includes 49,152 char of memory, control panel, power supply)(2)	6,170	235,440	452
2201-4	Central Processor (includes 65,536 char of memory, control panel, power supply)(2)	7,140	272,160	503
2201-5	Central Processor (includes 81,920 char of memory, control panel, power supply)(2)	8,040	306,720	550
2201-6	Central Processor (includes 98,304 char of memory, control panel, power supply)(2)	8,830	336,960	592
2201-7	Central Processor (includes 114,688 char of memory, control panel, power supply)(2)	9,400	358,560	628
2201-8	Central Processor (includes 131,072 char of memory, control panel, power supply)(2)	9,960	380,160	658
2201-9	Central Processor (includes 163,840 char of memory, control panel, power supply)(2)	11,030	421,200	713
2201-10	Central Processor (includes 196,608 char of memory, control panel, power supply)(2)	11,890	453,600	759

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Model 2200 (Contd.)			
2201-11	Central Processor (includes 229,376 char of memory, control panel, power supply)(2)	12,440	475,200	789
2201-12	Central Processor (includes 262,144 char of memory, control panel, power supply)(2)	13,010	496,800	818
	Features for the 2201			
0191	Opt Instruction Package	65	2,160	5
1100	Scientific Unit(3)	492	19,350	48
1100A	Scientific Unit	620	24,750	48
1115	Second I/O Sector (additional 4 R/W channels, 16 I/O address assignments, and 16 unit loads of power)	124	4,320	10
1117	Storage Protection	65	2,160	5
1121	Extended Multiprogramming and 8-Bit Transfer (requires feature 1117)	140	5,630	24
	Model 3200			
3201-1	Central Processor (includes 131,072 char of memory, control panel, power supply)(2)	10,990	479,750	596
3201-2	Central Processor (includes 196,608 char of memory, control panel, power supply)(2)	13,490	591,255	680
3201-3	Central Processor (includes 262,144 char of memory, control panel, power supply)(2)	15,160	665,590	739
3201-4	Central Processor (includes 327,680 char of memory, control panel, power supply)(2)	17,660	777,095	825
3201-5	Central Processor (includes 393,216 char of memory, control panel, power supply)(2)	19,330	851,430	873
3201-6	Central Processor (includes 458,752 char of memory, control panel, power supply)(2)	21,830	962,935	966
3201-7	Central Processor (includes 524,288 char of memory, control panel, power supply)(2)	23,500	1,037,270	1,024
	Features for the 3201			
1100A	Scientific Unit	620	24,750	48
	Model 4200			
4201-3	Central Processor (includes 131,072 char of memory, control panel, power supply)(2)	14,140	567,005	679
4201-4	Central Processor (includes 196,608 char of memory, control panel, power supply)(2)	16,400	657,725	783
4201-5	Central Processor (includes 262,144 char of memory, control panel, power supply)(2)	18,660	748,445	886
4201-5A	Central Processor (includes 262,144 char of memory, control panel, power supply, 2-way interleaving)(2)	19,130	767,160	909
4201-6	Central Processor (includes 327,680 char of memory, control panel, power supply)(2)	20,930	839,165	990
4201-7	Central Processor (includes 393,216 char of memory, control panel, power supply)(2)	23,190	929,885	1,093
4201-8	Central Processor (includes 458,752 char of memory, control panel, power supply)(2)	25,450	1,020,605	1,196
4201-9	Central Processor (includes 524,288 char of memory, control panel, power supply, 4-way interleaving)(2)	27,710	1,111,325	1,300
	Features for the 4201			
1101	Scientific Unit	575	22,685	46
1116	Third I/O Sector (additional 8 R/W channels, 16 I/O address assignments, and 16 unit loads of power)	575	22,685	46
1118	Extended Multiprogramming and 8-Bit Transfer	188	7,235	24
4214A	Two Buffered I/O Sectors (requires feature 1116)	432	17,625	23
4214B	Two Additional Buffered I/O Sectors (requires features 1116 and 4214A)	379	15,275	20
4215	High-Speed Third I/O Sector (requires feature 1116)	167	6,580	22
4251	Printer for Field Service Test Routines/Diagnostics	274	15,500	—

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Model 8200			
8201-1	Central Processor (includes 262,144 char of memory, console, power supply)	28,280	1,161,220	2,209
8201-2	Central Processor (includes 524,288 char of memory, console, power supply, 2-way interleaving)	37,820	1,552,900	2,946
8201-2A	Central Processor (includes 524,288 char of memory, console, power supply, 4-way interleaving)	44,880	1,845,000	3,465
8201-3	Central Processor (includes 786,432 char of memory, console, power supply, 2-way interleaving)	47,690	1,958,400	3,715
8201-4	Central Processor (includes 1,048,576 char of memory, console, power supply, 4-way interleaving)	57,300	2,350,080	4,463
8201-5	Central Processor (includes 2,097,152 char of memory, console, power supply, 4-way interleaving)	77,100	3,288,449	5,814
	Features for the 8201			
8201-B	Scientific Unit	845	34,560	70
8205-1	Adapter for One 3/4-Inch Tape Control (803-1, 2, or 3)	384	12,000	34
8205-2	Adapter for Two 3/4-Inch Tape Controls (803-1, 2, or 3)	720	20,000	63
8214	Expanded I/O Capability (additional 18 simultaneous R/W channels, 48 I/O address assignments, and 48 unit loads of power)	1,690	69,120	139
8215	High-Speed Third I/O Sector	220	8,930	28
8272	Standby Console Typewriter	347	13,500	34
	Interconnection Features for Series 200/2000			
212	On-Line Adapter (for connection of Series 200 processor and 801 or 1801)	570	22,500	60
212-1	Central Processor Adapter (for connection of any 2 central processors in the Series 200)	454	18,000	48
212-2	Central Processor Memory-to-Memory Transfer Unit	454	18,000	48
213-3	Interval Timer	102	3,600	11
071	Interval Selector (for 213-3)	65	2,250	6
213-4	Time-of-Day Clock	231	9,000	26
	Consoles for Series 200/2000			
220-1	Console	231	9,000	26
220-2	Console (replaces control panel)(3)	347	13,500	38
220-3	Console (replaces control panel; 1-time charge of $300 when field installed on a 105)	347	13,500	38
220-6	Console (replaces control panel)	347	13,500	38
008	Pin-Feed Drive (for 220-1, -3, and -6)	28	1,125	6
220-6A	Console	347	13,500	38
220-8	Visual Information Control Console (includes display unit, keyboard, and control panel)	1,010	37,600	105
8220	Visual Information Control Console (includes display unit, keyboard, and control panel; replaces std console on Model 8200)	650	24,300	105
1130	Status Display (for 220-8 and 8220)	228	8,520	71
1131	Serial Printer (for 220-8 and 8220)	284	10,600	40
1132	Remote Display (for 220-8 and 8220)	155	5,750	33
1133	Display Switch (for 220-8 and 8220)	31	1,130	5
	SYSTEM: Series 400			
	Model 405(2)			
CPU405	Central Processor (includes 8,192 words of memory)	2,010	77,900	187
	Features for the CPU405(2)			
AMM405	First Additional Memory (4,096 words)	895	35,500	62
AMM406	Second Additional Memory (4,096 words)	282	10,000	46

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features for the CPU405 (Contd.)			
CEF405	Channel Expansion (2 additional I/O channels)	89	3,520	6
CMP405	IBM 1401 Compatibility	223	8,400	29
TDC405	Time-of-Day Clock	133	5,080	9
HC6011	High-Speed I/O Channel	292	11,900	24
	Models 410 and 415			
CPU410	Time-Sharing Central Processor (includes 8,192 words of memory)(6)	2,390	97,500	187
CPU415	Central Processor (includes 8,192 words of memory)	2,390	97,500	187
	Features for the CPU410 and CPU415			
AMM415	First Additional Memory (8,192 words)	1,405	57,100	110
AMM416	Second Additional Memory (16,384 words)	1,405	57,100	110
FP6015	Floating-Point Hardware	408	16,700	33
	Model 430			
CPU430	Time-Sharing Central Processor (includes 8,192 words of memory)(6)	4,680	192,400	371
	Features for the CPU430			
AMM425	First Additional Memory (8,192 words)	1,405	57,100	110
AMM426	Second Additional Memory (16,384 words)	1,635	66,600	128
FP6025	Floating-Point Hardware	530	21,400	42
	Model 435			
CPU435	Central Processor (includes 16,384 words of memory)	4,990	199,800	498
	Features for the CPU435			
AMM436	Additional Memory (16,384 words)	1,670	66,600	161
FP6035	Floating-Point Hardware	540	21,400	51
	Models 437 and 440			
CPU437	Model 435 Central Processor(7)	3,430	136,900	366
CPU440	Time-Sharing Central Processor(8)	7,800	320,600	620
	Features for the CPU437 and CPU440			
MSM416	Basic Main Memory (16,384 words; max of 2 per CPU437 or CPU440)	2,090	85,700	165
ASM416	Additional Main Memory (16,384; max of 3 per MSM416)	1,625	66,700	130
FP6035	Floating-Point Hardware	540	21,400	51
	Features for CPU410/415/430/435/437/440			
CM6051	IBM 1401 Compatibility (includes 1 doubleword channel and 1 char channel)(2)	350	14,300	29
CC6012	Two Character Channels	NC	NC	NC
CW6013	One Word Channel	NC	NC	NC
CW6014	Two Doubleword Channels and One Character Channel	NC	NC	NC
CW6015	One Doubleword Channel and One Character Channel	NC	NC	NC
HC6012	High-Speed Channel (includes DCW storage)	292	11,900	24
CS6012	Reader-Sorter Channel	NC	NC	NC
TC6012	Time-of-Day Clock	128	5,240	9
DAP930	Direct-Access Package (includes memory protect, interval timer, SM6010, nonstop mode, and CE6010)	350	14,300	29
CE6010	Channel Expansion (4 additional I/O channels; not needed if DAP930 is installed)	149	5,950	13
SM6010	Symbol-Controlled Move (not needed if DAP930 is installed)	77	3,090	5
	Interconnection Features for Series 400			
PSC200	Manual Peripheral Switch Console (includes 1 OPT510; allows connection of up to 15 additional OPT510s)	196	7,850	15
OPT510	Manual Common Peripheral Switch Unit	48	1,910	3
THS200	Manual Tape Unit Switch (for ac-coupled, single-capstan, 37.5/75-ips mag tape units)	89	3,540	10
THS202	Manual Tape Unit Switch (for ac-coupled, single-capstan, 150-ips mag tape units)	89	3,540	10
PS6010	Programmable Peripheral Switch	585	22,800	46

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Consoles for the Series 400			
CO6020	Console Typewriter (available for Model 405 only; monthly rental or purchase price included in the central processor price)	NC	NC	34
CO6021	Console Typewriter (monthly rental or purchase price included in the central processor price)	NC	NC	34
	SYSTEM: Series 600			
	Model 615			
CP8064	Central Processor (includes 65,536 words of memory)(9)	12,770	553,200	1,225
CP8096	Central Processor (includes 98,304 words of memory)(9)	17,240	744,500	1,540
CP8128	Central Processor (includes 131,072 words of memory)(9)	21,730	935,900	1,850
CP8160	Central Processor (includes 163,840 words of memory)(9)	26,220	1,127,300	2,165
CP8192	Central Processor (includes 196,608 words of memory)(9)	30,690	1,318,700	2,475
CP8224	Central Processor (includes 229,376 words of memory)(9)	35,180	1,510,000	2,790
CP8256	Central Processor (includes 262,144 words of memory)(9)	39,660	1,701,400	3,105
	Features for the Model 615			
PM6152	Additional Central Processor(2)	3,800	157,520	600
MIP602	Processor Port	NC	NC	NC
MIP603	Memory Port	NC	NC	NC
DC8030	I/O Controller (includes two 400-kc channels, one 200-kc channel, five 25-kc channels, and 1 memory interface port)	3,140	136,000	259
MIP604	Memory Interface Port (for DC8030)	NC	NC	NC
OPT806	Additional I/O Channels (for DC8030; 25 kc; max of 5 can be added)	59	2,480	3
OPT811	Additional I/O Channel (for DC8030; 200 kc; max of 3 can be added)	123	4,950	8
OPT827	Peripheral Adapter (for DC8030; permits peripherals slower than 300 kc to operate on Channel A)	NC	NC	NC
OPT828	Peripheral Adapter (for DC8030; permits peripherals slower than 300 kc to operate on Channel B)	NC	NC	NC
DC8032	I/O Controller (includes three 450-kc channels, five 25-kc channels, and 1 memory interface port; required if a DSS170 or DSC270 is installed)	6,270	267,000	437
MIP605	Memory Interface Port (for DC8032)	NC	NC	NC
MIP601	Additional Memory Interface Port (for DC8032)	95	3,960	5
CH0500	Additional Peripheral Channel Package (for DC8032; includes five 25-kc I/O channels)	292	12,400	20
CH0030	Additional Peripheral Channel Package (for DC8032; includes three 450-kc I/O channels)	355	14,900	25
CH0530	Additional Peripheral Channel Package (for DC8032; includes five 25-kc and three 450-kc I/O channels; not needed if CH0500 or CH0030 is installed)	650	27,300	45
	Model 635			
CP8030	Central Processor	11,590	494,400	810
	Features for the Model 635			
PM6352	Additional Central Processor(2)	5,840	242,000	650
MM8030	Basic Memory and Controller (32,768 words; includes 2 OPT802s)	7,540	321,400	525
AM8030	Additional Memory (32,768 words; max of 1 per MM8030)	4,990	212,600	347
AMM600	Additional Memory (32,768 words; max of 1 per MM8030 and 1 per AM8030)	4,990	212,600	347
OPT802	Memory Port (max of 6 per MM8030)	95	3,960	5
OPT815	Execute Interrupt (additional 16 cells)	123	4,950	8
OPT809	Central Processor Port	82	3,470	5
SA8030	Simulator Aid for 7090/7094 Compatibility	4,640	197,800	323

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features for the Model 635 (Contd.)			
DC8030	I/O Controller (includes two 400-kc channels, one 200-kc channel, five 25-kc channels, and 1 memory interface port)	3,140	136,000	259
OPT806	Additional I/O Channel (for DC8030; 25 kc; max of 5 can be added)	59	2,480	3
OPT808	Memory Interface Port (for DC8030)	95	3,960	5
OPT811	Additional I/O Channel (for DC8030; 200 kc; max of 3 can be added)	123	4,950	8
OPT827	Peripheral Adapter (for DC8030; permits peripherals slower than 300 kc to operate on Channel A)	NC	NC	NC
OPT828	Peripheral Adapter (for DC8030; permits peripherals slower than 300 kc to operate on Channel B)	NC	NC	NC
DC8032	I/O Controller (includes three 450-kc channels, five 25-kc channels, and 1 memory interface port; required if DSS170 or DSC270 is installed)	6,146	267,000	437
CH0500	Additional Peripheral Channel Package (for DC8032; includes five 25-kc I/O channels)	292	12,400	20
CH0030	Additional Peripheral Channel Package (for DC8032; includes three 450-kc I/O channels)	355	14,900	25
CH0530	Additional Peripheral Channel Package (for DC8032; includes five 25-kc and three 450-kc I/O channels; not needed if CH0500 or CH0030 is installed)	650	27,300	45
MIP601	Additional Memory Interface Port (for 8032; max of 3 can be added)	95	3,960	5
	Interconnection Features for the Series 600			
PSC200	Manual Peripheral Switch Console (includes 1 OPT510; allows connection of up to 15 additional OPT510s)	196	7,850	15
OPT510	Manual Common Peripheral Switch or Tape Unit Switch (for ac-coupled, 37.5/75/150-ips tape units)	48	1,910	3
THS200	Manual Tape Unit Switch (for ac-coupled, single-capstan, 37.5/75-ips tape units)	89	3,540	10
THS202	Manual Tape Unit Switch (for ac-coupled, single-capstan, 150-ips tape units)	89	3,540	10
	Consoles for the Series 600			
CO8030	Master Console (includes memory display)	473	19,800	32
CO8031	Auxiliary Console	435	18,600	32
ST8030	Storage Cabinet (includes PTR200 Paper Tape Reader and PTP200 Paper Tape Punch)	35	1,490	2
	SYSTEM: Series 2000			
	Model 2020 (disc storage equipment is required for these systems)			
2021-1	Central Processor (includes 24,576 char of memory, control panel, power supply)	685	30,450	200
2021-2	Central Processor (includes 28,672 char of memory, control panel, power supply)	955	40,800	220
2021-3	Central Processor (includes 32,768 char of memory, control panel, power supply)	1,150	46,920	240
2021-4	Central Processor (includes 40,960 char of memory, control panel, power supply)	1,645	64,240	295
2021-5	Central Processor (includes 49,152 char of memory, control panel, power supply)	2,075	81,180	337
2021-6	Central Processor (includes 57,344 char of memory, control panel, power supply)	2,455	96,140	354
2021-7	Central Processor (includes 65,536 char of memory, control panel, power supply)	2,835	110,880	372

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features for the 2021			
001	Fourth Read/Write Channel (available only with 40K or more char of memory)	65	2,160	5
004	Cycle Time Upgrade (from 2.75 to 2.50 microseconds)	281	10,000	30
	Model 2030 (disc storage equipment is required for these systems)			
2032-1	Central Processor (includes 40,960 char of memory, control panel, power supply)	2,695	100,800	325
2032-2	Central Processor (includes 49,152 char of memory, control panel, power supply)	2,950	110,250	360
2032-3	Central Processor (includes 57,344 char of memory, control panel, power supply)	3,230	120,750	395
2032-4	Central Processor (includes 65,536 char of memory, control panel, power supply)	3,480	130,200	435
2032-5	Central Processor (includes 81,920 char of memory, control panel, power supply)	3,960	141,000	455
2032-6	Central Processor (includes 98,304 char of memory, control panel, power supply)	4,435	158,000	475
	Features for the 2032			
002	275 Disc, OS/2000 Package	169	6,000	18
003	277 Disc, OS/2000 Package	730	26,000	91
018	Disc Control Expansion	65	2,160	5
1044	Direct Transcription	65	2,250	6
1100A	Scientific Unit	620	24,750	48
	Model 2030A			
2032A-1	Central Processor (with 40,960 char of memory)	PO	101,300	325
2032A-2	Central Processor (with 49,152 char of memory)	PO	110,750	360
2032A-3	Central Processor (with 57,344 char of memory)	PO	121,250	395
2032A-4	Central Processor (with 65,536 char of memory)	PO	132,000	435
2032A-5	Central Processor (with 81,920 char of memory)	PO	145,500	455
2032A-6	Central Processor (with 98,304 char of memory)	PO	158,500	475
2032A-7	Central Processor (with 131,072 char of memory)	PO	182,500	510
2032A-8	Central Processor (with 196,608 char of memory)	PO	230,480	570
	Features for the 2032A			
PM1A30	Second I/O Sector (with 6 additional RWCs)	PO	16,800	55
PM2A30	1.6-Microsecond Cycle Time	PO	10,000	38
PM3A30	OS/2000 Package (includes 213-3 Interval Timer with 071 Option, load mode and expansion of disc controller)	PO	6,000	30
PM3B30	Buffer Adapter (for 277 Disc; requires PM3A30; 2 drives min)	PO	20,000	75
PM4A30	Scientific Unit	PO	24,750	48
	Model 2040			
2041-1	Central Processor (includes 49,152 char of memory, power supply)	3,480	124,000	439
2041-2	Central Processor (includes 65,536 char of memory, power supply)	3,930	140,000	469
2041-3	Central Processor (includes 98,304 char of memory, power supply)	4,605	164,000	509
2401-4	Central Processor (includes 131,072 char of memory, power supply)	5,280	188,000	544
	Features for the 2041			
1100A	Scientific Unit	620	24,750	48
	Model 2040A (requires 220-6 or -8 Console)			
2041A-1	Central Processor (includes 65,536 char of memory, power supply)	PO	140,000	467
2041A-2	Central Processor (includes 98,304 char of memory, power supply)	PO	164,000	507
2041A-3	Central Processor (includes 131,072 char of memory, power supply)	PO	188,000	542
2041A-4	Central Processor (includes 196,608 char of memory, power supply)	PO	235,980	602

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Model 2040A (Contd.)			
2041A-5	Central Processor (includes 262,144 char of memory, power supply)	PO	282,380	657
2041A-6	Central Processor (includes 393,216 char of memory, power supply)	PO	341,570	830
2041A-7	Central Processor (includes 524,288 char of memory, power supply)	PO	395,510	971
	Features for the 2041A			
PM1A40	Buffered I/O Sector (includes second set of integrated peripheral device controls)	PO	27,200	26
PM1B40	Third I/O Sector, Buffered	PO	24,000	36
PM2A40	2.0-Microsecond Cycle Time (2-char fetch)	PO	24,900	24
PM2B40	1.0-Microsecond Cycle Time (2-char fetch)	PO	23,000	24
PM3A40	Scientific Subprocessor	PO	24,750	48
PM4A40	Accounting Timer	PO	3,200	NC
	Model 2050			
2051C-1	Central Processor (with 98,304 char of memory, power supply)	5,710	203,280	507
2051C-2	Central Processor (with 131,072 char of memory, power supply)	6,880	245,280	542
2051C-3	Central Processor (with 196,608 char of memory, power supply)	8,180	291,280	602
2051C-4	Central Processor (with 262,144 char of memory, power supply)	9,480	337,680	657
	Features for the 2051			
1100A	Scientific Unit	620	24,750	48
	Model 2050A (requires 220-6 or -8 Console)			
2051A-1	Central Processor (includes 131,072 char of memory and power supply)	PO	245,280	640
2051A-2	Central Processor (includes 196,608 char of memory and power supply)	PO	291,300	748
2051A-3	Central Processor (includes 262,144 char of memory and power supply)	PO	337,680	851
2051A-4	Central Processor (includes 393,216 char of memory and power supply)	PO	388,964	1,072
2051A-5	Central Processor (includes 524,288 char of memory and power supply)	PO	442,532	1,261
2051A-6	Central Processor (includes 1,048,576 char of memory and power supply)	PO	637,932	1,741
	Features for the 2051A			
PM1A50	Third I/O Sector, Buffered	PO	25,283	36
PM1B50	Fourth and Fifth I/O Sectors, Buffered	PO	59,545	72
PM2A50	2.0-Microsecond Cycle Time (4-char fetch)	PO	22,967	35
PM2B50	1.0-Microsecond Cycle Time (4-char fetch)	PO	56,923	35
PM3A50	Scientific Subprocessor	PO	24,750	48
	Model 2060			
2061-1	Central Processor (with 131,072 char of memory, power supply)	8,290	295,280	613
2061-2	Central Processor (with 196,608 char of memory, power supply)	9,820	349,880	697
2061-3	Central Processor (with 262,144 char of memory, power supply)	11,350	404,480	756
2061-4	Central Processor (with 393,216 char of memory, power supply)	13,390	477,280	890
2061-5	Central Processor (with 524,288 char of memory, power supply)	15,020	535,280	1,041
	Features for the 2061			
1100A	Scientific Unit	620	24,750	48
	Model 2070			
2071-1	Central Processor (with 131,072 char of memory, scientific subprocessor, visual information control console, power supply)	13,860	493,800	1,065
	Model 2070 (Contd.)			
2071-2	Central Processor (with 196,608 char of memory, scientific subprocessor, visual information control console, power supply)	15,330	546,400	1,115
2071-3	Central Processor (with 262,144 char of memory, scientific subprocessor, visual information control console, power supply)	16,790	598,400	1,165
2071-4	Central Processor (with 393,216 char of memory, scientific subprocessor, visual information control console, power supply)	18,590	662,400	1,320
2071-5	Central Processor (with 524,288 char of memory, scientific subprocessor, visual information control console, power supply)	20,200	720,000	1,440
2071-6	Central Processor (with 1,048,576 char of memory, scientific subprocessor, visual information control console, power supply)	29,740	1,060,000	1,920
	SYSTEM: Series 6000			
	Model 6025			
CS6020	Central System (includes CPU, 80K-word memory, system control, UR control, disc control, equivalent of 6 psi channels, and 3 DSU181B units)	14,850	694,500	1,571
CS6021	Central System (same as CS6020 except DSU181 replaced with DSU190 control, IOM throughput expansion, and 2 DSU190s)	15,860	734,400	1,653
CS6024	Central System (includes CPU, 80K-word memory, system control, 3 cpi channels)	12,090	571,200	1,240
	Features for the CS6020 and CS6021			
AM6021	Memory Expansion (to 96K)	730	34,280	65
AM6022	Memory Expansion (from 96K to 128K)	2,245	106,100	200
IC6021	I/O Channel (for CO6030)	NC	NC	NC
IC6022	I/O Channel (for system control center)	NC	NC	NC
IC6023	I/O Channel (for psi peripheral)	NC	NC	NC
IC6024	I/O Channel (for cpi peripheral and DN-30)	NC	NC	NC
IC6025	I/O Channel (for Datanet-355 or DEC6000)	NC	NC	NC
IC6026	I/O Channel (for PTS200)	NC	NC	NC
	Model 6030			
CS6032	Central System (includes 65,536 words of memory, system controller, processor module, one 8-channel IOM)	11,460	532,300	1,091
CS6033	Central System (includes 98,304 words of memory, system controller, processor module, one 8-channel IOM)	13,610	631,700	1,295
CS6034	Central System (includes 131,072 words of memory, system controller, processor module, one 8-channel IOM)	15,750	731,200	1,500
CS6036	Central System (with 196K-word memory)(2)	19,990	930,100	1,600
CS6038	Central System (with 262K-word memory)(2)	24,190	1,129,000	1,700
RS6001	Dual Processor 6030 with DCH181 Option (failsoft 6030 version)	3,370	137,700	200
RS6002	Dual Processor 6030 with DCH190 Option (failsoft 6030 version)	3,370	137,700	200
	Model 6040			
CS6042	Central System (includes 65,536 words of memory, system controller, processor module, one 8-channel IOM)	12,860	597,000	1,226
CS6043	Central System (includes 98,304 words of memory, system controller, processor module, one 8-channel IOM)	15,000	696,400	1,430
CS6044	Central System (includes 131,072 words of memory, system controller, processor module, one 8-channel IOM)	17,140	795,900	1,634
CS6046	Central System (with 196K-word memory)(2)	21,350	994,800	1,725

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Model 6040 (Contd.)			
CS6048	**Central System** (with 262K-word memory)(2)	25,560	1,193,700	1,825
RS6003	Dual Processor 6040 with DCX181 option (failsoft 6040 version)	3,370	137,700	200
RS6004	Dual Processor 6040 with DCX190 option (failsoft 6040 version)	3,370	137,700	200
	Features for the 6030 and 6040			
IC6000	IDM Throughput Expansion	459	21,120	45
IC6001	Additional IOM Channel (cpi)	322	14,930	31
IC6002	Additional IOM Channel (psi)	322	14,930	31
IC6005	Additional IOM Channel (cpi; for use with PTS200)	322	14,930	31
	Model 6050			
CS6053	Central System (includes 98,304 words of memory, 1 system controller, 1 processor module, one 8-channel IOM)	19,280	895,300	1,838
CS6054	Central System (includes 131,072 words of memory, 1 system controller, 1 processor module, one 8-channel IOM)	20,890	970,000	1,994
CS6055	Central System (includes 163,840 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)(3)	22,500	1,044,500	2,145
CS6056	Central System (includes 196,608 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	24,100	1,119,100	2,301
CS6057	Central System (includes 229,376 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)(3)	25,710	1,193,800	2,451
CS6058	Central System (includes 262,144 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	27,320	1,268,300	2,607
	Features for the 6050			
PM6050	Additional Processor Module	5,900	273,600	575
PM6051	Extended Addressing for PM6050	281	12,240	NC
IM6050	Additional IOM (includes 8 channels)	4,820	223,900	468
IM6051	Extended Addressing for IM6050	449	19,380	NC
IC6001	Additional IOM Channel (cpi)	322	14,930	31
IC6002	Additional IOM Channel (psi)	322	14,930	31
IC6005	Additional IOM Channel (cpi; for use with PTS200)	322	14,930	31
IC6007	Additional IOM Channel (cpi; for use with extended memory)	322	14,930	31
SC6050	Additional System Controller	2,145	99,600	204
AM6051	Extended Addressing and Memory Extension (for the CS6058; from 262,144 to 393,216 words)	9,540	415,200	300
AM6052	Memory Extension (for the CS6058; from 393,216 to 524,288 words)	8,420	366,200	250
	Model 6060			
CS6063	Central System (includes 98,304 words of memory, 1 system controller, 1 processor module, one 8-channel IOM)	20,890	970,000	1,994
CS6064	Central System (includes 131,072 words of memory, 1 system controller, 1 processor module, one 8-channel IOM)	22,500	1,044,500	2,145
CS6065	Central System (includes 163,840 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)(3)	24,100	1,119,100	2,301
CS6066	Central System (includes 196,608 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	25,710	1,193,800	2,451
CS6067	Central System (includes 229,376 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)(3)	27,320	1,268,300	2,607
CS6068	Central System (includes 262,144 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	28,920	1,343,000	2,757
	Features for the 6060			
PM6060	Additional Processor Module	7,500	348,300	731
PM6061	Extended Addressing for PM6060	281	12,240	NC
IM6060	Additional IOM (includes 8 channels)	4,820	223,900	468

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features for the 6060 (Contd.)			
IM6061	Extended Addressing for IM6060	449	19,380	NC
IC6001	Additional IOM Channel (cpi)	322	14,930	31
IC6002	Additional IOM Channel (psi)	322	14,930	31
IC6005	Additional IOM Channel (cpi; for use with PTS200)	322	14,930	31
IC6007	Additional IOM Channel (cpi; for use with extended memory)	322	14,930	31
SC6060	Additional System Controller	2,145	99,600	204
AM6061	Extended Addressing and Memory Extension (for the CS6068; from 262,144 to 393,216 words)	9,540	415,200	300
AM6062	Memory Extension (for the CS6068; from 393,216 to 524,288 words)	8,420	366,200	250
	Model 6070			
CS6074	Central System (includes 131,072 words of memory, 1 system controller, 1 processor module, one 8-channel IOM)	28,070	1,303,200	2,731
CS6076	Central System (includes 196,608 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	36,630	1,701,000	3,569
CS6078	Central System (includes 262,144 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	43,060	1,999,500	4,193
	Features for the 6070			
PM6070	Additional Processor Module	6,650	308,500	645
PM6071	Extended Addressing for PM6070	337	14,280	NC
IM6070	Additional IOM (includes 8 channels)	4,820	223,900	468
IM6071	Extended Addressing for IM6070	449	19,380	NC
IC6001	Additional IOM Channel (cpi)	322	14,930	31
IC6002	Additional IOM Channel (psi)	322	14,930	31
IC6005	Additional IOM Channel (cpi; for use with PTS200)	322	14,930	31
IC6007	Additional IOM Channel (cpi; for use with extended memory)	322	14,930	31
SC6070	Additional System Controller	2,145	99,600	204
AM6071	Extended Addressing and Memory Extension (for the CS6078; from 262,144 to 393,216 words)	11,220	483,500	400
AM6072	Memory Extension (for the CS6078; from 393,216 to 524,288 words)	8,980	390,700	300
AM6073	Memory Extension (from 524,288 to 786,432 words or from 786,432 to 1,048,576 words)	17,960	781,400	600
	Model 6080			
CS6084	Central System (includes 131,072 words of memory, 1 system controller, 1 processor module, one 8-channel IOM)	29,990	1,392,700	2,919
CS6086	Central System (includes 196,608 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	38,560	1,790,600	3,763
CS6088	Central System (includes 262,144 words of memory, 2 system controllers, 1 processor module, one 8-channel IOM)	44,990	2,088,900	4,381
	Features for the 6080			
PM6080	Additional Processor Module	8,570	398,000	833
PM6081	Extended Addressing for PM6080	337	14,280	NC
IM6080	Additional IOM (includes 8 channels)	4,820	223,900	468
IM6081	Extended Addressing for IM6080	449	19,380	NC
IC6001	Additional IOM Channel (cpi)	322	14,930	31
IC6002	Additional IOM Channel (psi)	322	14,930	31
IC6005	Additional IOM Channel (cpi; for use with PTS200)	322	14,930	31
IC6007	Additional IOM Channel (cpi; for use with extended memory)	322	14,930	31
SC6080	Additional System Controller	2,145	99,600	204
AM6081	Extended Addressing and Memory Extension (for the CS6088; from 262,144 to 393,216 words)	11,220	483,500	400
AM6082	Memory Extension (for the CS6088; from 393,216 to 524,288 words)	8,980	390,700	300

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint $
	Features for the 6080 (Contd.)			
AM6083	Memory Extension (from 524,288 to 786,432 words or from 786,432 to 1,048,576 words)	17,960	781,400	600
	Interconnection Features for the Series 6000			
URC001	Integrated Unit Record Control (includes 3 URA001 adapters)	1,350	46,000	100
URC002	Free-Standing Unit Record Control (includes 3 URA001 adapters)	1,575	53,000	120
URF001	Additional Data Channel (max of 3 per URC001 or URC002)	225	8,800	10
URF002	Data Channel Expansion (max of 1 per URC001 or URC002; required with second URF001)	337	13,200	15
URF003	Multiplexer Adapter (required when more than 4 devices are attached to URC001 or URC002 or if different printer types are intermixed on the control)	113	4,100	10
URA001	Additional Device Adapter (1 required for each additional device after the third)	337	13,200	15
PSC200	Manual Peripheral Switch Console (includes 1 OPT510; allows connection of up to 15 additional OPT510s)	196	7,850	15
OPT510	Manual CPI Switch Unit	48	1,910	3
OPT511	Manual PSI Switch Unit	48	1,910	3
THS200	Manual Tape Unit Switch (for ac-coupled, single capstan, 37.5/75-ips mag tape units)	89	3,540	10
THS202	Manual Tape Unit Switch (for ac-coupled, single-capstan, 150-ips mag tape units)	89	3,540	10
	Consoles for the Series 6000			
SC6000	System Control Center	1,365	50,870	190
RD6000	Remote Display (for SC6000)	113	2,000	10
CO8030	Master Console	473	19,800	32
CO8031	Auxiliary Console	435	18,600	32
ST8030	Storage Cabinet	35	1,490	2

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	MASS STORAGE							
	Disc Storage							
155	Disc Pack Drive (3.6M char)	397	14,910	69	X			
074	Write Protect	21	900	4	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
157B	Disc Control (for 172B and 258B Disc Pack Drives)	655	24,925	75	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
157C	Disc Control (for 155 disc pack drives)	287	11,700	32	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
170	Disc Pack Drive (4.6M char; for the 170-2)(2)	271	10,905	76	X			
170-2	Disc Storage Subsystem(2)	510	20,460	151	X			
070	Direct-Access Time Speedup	43	1,760	5	X			
170A	Disc Pack Drive (4.6M char; for the 170A-2)	294	11,835	76	X			
170A-2	Disc Storage Subsystem (9.2M char)	555	22,150	151	X			
171	Disc Pack Drive (4.6M char)(2)	342	12,875	75	X			
172	Disc Pack Drive (9.2M char)	488	21,220	81	X			
172B	Disc Pack Drive (9.2M char)	373	15,000	78	X			
074	Write Protect (for 172 and 172B)	21	900	4	X			
076	Dynamic Disc Addressing (for 172 and 172B)	27	1,050	2	X			
079	Central Processor Finished (for 172 and 172B)	33	1,350	6	X			
173-2	Disc Storage Subsystem (18.4M char)(2)	725	29,165	188	X			
070	Direct-Access Time Speedup	43	1,760	5	X			
173	Disc Pack Drive (for 173-2; 9.2M char)(2)	363	14,585	94	X			
257	Disc Control (for 258, 259, and 273 disc pack drives)	655	24,925	75	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
257-1	Disc Control (for 258, 259, and 273 disc pack drives; 6- and 8-bit transfer modes)	720	26,800	94	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
257-3	Disc Control (for 278-5, -6, -7, -8, and -9 disc pack drives)	1,595	61,110	104	X			
257A	Disc Control (for 259A disc pack drives)(2)	655	24,925	75	X			
257B	Disc Control (for 172B, 258B, and 259B disc pack drives)	655	24,925	75	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
257B-1	Disc Control (for 258B and 259B disc pack drives; 6- and 8-bit transfer modes)	720	26,800	94	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
257C	Disc Control (for 155 disc pack drives)(2)	329	13,500	38	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
258	Disc Pack Drive (4.6M char)	441	17,100	75	X			
258B	Disc Pack Drive (4.6M char)	441	17,100	75	X			
259	Disc Pack Drive (9.2M char)	620	24,000	94	X			
259A	Disc Pack Drive (9.2M char)(2)	620	24,000	94	X			
259B	Disc Pack Drive (9.2M char)	620	24,000	94	X			
074	Write Protect (for 258, 258B, 259, and 259A)	21	900	4	X			
079	Central Processor Finished (for 258, 258B, 259, 259A, and 259B)	33	1,350	6	X			
260(2), 260A	Disc Control (for 258, 259, and 273 disc pack drives and for 261 and 262 disc files)	725	26,100	113	X			
077	8-Bit Transfer Mode	65	2,475	13	X			
260-1	Disc Control (for 266 high-speed disc file)(10)	—	19,800	119	X			
072	Angular Position Indicator	220	8,400	30	X			
261	Disc File (150M char)(2)	4,580	166,000	758	X			
262	Disc File (300M char)(2)	7,760	297,000	945	X			
078	Heat Exchanger (for 261 and 262)	139	5,500	18	X			
266	High-Speed Disc File (4.2M char; 300-kc transfer rate)(2)(10)	—	54,700	329	X			
273	Disc Pack Drive (18.4M char)	910	34,650	98	X			
074	Write Protect	21	900	4	X			
079	Central Processor Finished	33	1,350	6	X			
274	Disc Pack Drive and Control (147.2M char)	4,650	176,400	784	X			
275-2	Disc Storage Subsystem (36.8M char)	1,360	48,000	295	X			
074	Write Protect	21	900	4	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
079	Central Processor Finished	33	1,350	6	X			
275	Additional Disc Pack Drive (for 275-2; 18.4M char)	455	16,000	98	X			
276-2	Disc Storage Subsystem (74.8M char)	1,530	67,200	271	X			
074	Write Protect	21	900	4	X			
076	Dynamic Disc Addressing	27	1,050	3	X			
079	Central Processor Finished	33	1,350	6	X			
276	Disc Pack Drive (for 276-2; 37.4M char)	530	23,040	98	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Disc Storage (Contd.)							
277-2	Disc Storage Subsystem (128M char)	1,995	86,020	250	X			
074	Write Protect	21	900	4	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
077	8-Bit Transfer Mode	65	2,475	13	X			
277-3	Disc Storage Subsystem (192M char)	2,530	108,680	332	X			
074	Write Protect	21	900	4	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
277	Disc Pack Drive (for 277-2; 64M char)	540	22,660	82	X			
278-5	Disc Pack Drive with 5 Operating Spindles (175M char)	2,570	67,000	376	X			
278-6	Disc Pack Drive with 6 Operating Spindles (210M char)	2,980	85,000	419	X			
278-7	Disc Pack Drive with 7 Operating Spindles (245M char)	3,560	87,000	516	X			
278-8	Disc Pack Drive with 8 Operating Spindles (280M char)	3,970	105,000	559	X			
278-9	Disc Pack Drive with 8 Operating Spindles and 1 Spare Spindle (280M char)	4,555	107,000	621	X			
279-2	Disc Storage Subsystem (266M char)	3,925	162,800	563	X			
076	Dynamic Disc Addressing	27	1,050	2	X			
077	8-Bit Transfer Mode	65	2,475	13	X			
279	Additional Disc Pack Drive (for the 279-2; 133M char)	690	28,600	99	X			
DSC160	Disc Control (for up to 8 DSU160s)	605	24,800	48		X		
DSU160	Disc Pack Drive (7.68M char)	660	15,780	84		X		
DSC163	Disc Control (for up to 4 DSU163s)	605	24,800	48		X		
DSU163	Disc Pack Drive (7.68M char)	425	13,650	99		X		
ADC160	Additional Data Channel, Nonsimultaneous (permits shared access to the DSC160)	208	8,480	17		X		
DFP160	Data File Protect (DSC160 and DSC163)	59	2,390	4		X		
DSC200	Disk File Control(2)	1,715	40,800	135		X	X	X
DSU204	Disc File (5.9M char)(2)	1,305	21,200	416		X	X	X
OPT203	Additional 17.7 Million Characters(2)	665	9,200	NC		X	X	X
OPT204	Fast Access I (4 discs; not required if OPT203 is installed)(2)	335	6,000	NC		X	X	X
OPT205	Fast Access II (8 discs; not required if OPT203 and/or OPT204 is installed)(2)	446	8,000	NC		X	X	X
DSC270	Disc File Control (requires DC8032 I/O Controller)	1,340	45,000	101			X	X
ADC270	Additional Data Channel (permits 2 simultaneous data transfers; max of 1 ADC270 per DSC270; min of 2 DFE270s required per subsystem to utilize the ADC270 capability)	446	15,000	34			X	X
DFE270	Disc File Electronics Unit (max of 4 per DSC270)	730	25,000	59			X	X
DSU270	Disc File (15.3M char; max of 5 per DFE270)	950	26,000	138			X	X
DSS167	Removable Disc Storage Subsystem (90M char)(2)	3,555	140,200	424		X	X	X
ADC167	Additional Data Channel, Nonsimultaneous (permits shared access to the DSS167)(2)	208	8,480	16		X	X	X
DFP167	Data File Protect (required)(2)	59	2,390	4		X	X	X
STC167	Stack Command (required)(2)	17	750	1			X	X
DCA167	Disc Control Adapter(2)	NC	NC	NC			X	X
ADU167	Additional Disc Pack Drive (for DSS167; 30M char)(2)	755	29,700	90		X	X	X
DSS170	Removable Disc Storage Subsystem (220M char)(2)	6,330	264,100	797			X	X
CH0011	High-Speed Channel (required for DSS170)(2)	840	41,300	80			X	X
DSS180	Removable Disc Storage Subsystem (83M char; includes 3 DSU180s and 1 DFE180)(2)	2,440	101,200	350			X	X
ADC180	Additional Data Channel (permits nonsimultaneous shared access to the DSS180)(2)	213	8,800	30			X	X
DCH180	Dual Simultaneous Channel (permits 2 simultaneous data transfers)(2)	1,065	44,000	152			X	X
DFE180	Disc File Electronics Unit (permits up to 18 DSU180s per DSS180; max of 1 additional DFE180 per DSS180)(2)	488	20,240	70			X	X
DSU180	Additional Disc Pack Drive (for DSS180; 27.6M char; up to 6 DSU180s can be added, unless additional DFE180 is installed)(2)	499	20,680	72			X	X
DSS181	Disc Storage Subsystem (82M char; includes 3 drives and control)(2)	2,440	101,200	350				X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Disc Storage (Contd.)							
DSS181B	Disc Storage Subsystem (82.9M char; includes 3 drives and control)	2,440	101,200	350				X
EDE181	Extended Drive Electronics (for DSS181 and DSS181B)	NC	NC	NC				X
ADE181	Additional Drive Electronics (for DSS181 and DSS181B)	488	20,240	70				X
ADC181	Additional Data Channel (permits nonsimultaneous shared access to DSS181)	213	8,800	30				X
DCH181	Dual Simultaneous Data Channel (permits 2 simultaneous data transfers; for DSS181 and DSS181B)	1,065	44,000	152				X
DAD181	Dual-Access Drive Switch (for DSS181 and DSS181B)	NC	NC	NC				
DCX181	Dual Control Cross-Bar (for DSS181 and DSS181B)	1,065	20,000	100				X
CCA181	Control Adapter (for DSS181 and DSS181B)	319	13,200	45				X
DSU181	Additional Disc Pack Drive (for DSS181; 27.6M char)	499	20,680	72				X
DSU181B	Additional Disc Pack Drive (for DSS181B; 27.6M char)	499	20,680	72				X
DSS190	Removable Disc Storage Subsystem (182.7M char; includes 2 DSU190s and single-channel control)	3,925	162,800	563				X
ADC190	Additional Data Channel (permits nonsimultaneous shared access to DSS190)	213	8,800	30				X
DCH190	Dual Simultaneous Channel (permits 2 simultaneous data transfers)	1,065	44,000	153				X
ADE190	Additional Drive Electronics	640	26,400	91				X
EDE190	Extended Drive Electronics	NC	NC	NC				X
DAD190	Dual-Access Drive Switch	NC	NC	NC				X
DCX190	Dual-Control Cross-Bar Configuration	1,065	20,000	100				X
CCA190	Control Adapter	319	13,200	45				X
DSU190	Additional Disc Pack Drive (for DSS190; 91.3M char)	690	28,600	99				X
IDC001	Integrated Disc Control	281	13,260	25				X
IDS181-B	Integrated Disc Subsystem (for CS6024; includes 3 DSU181-Bs and control adapter)	1,500	63,300	216				X
IDS190-B	Integrated Disc Subsystem (for CS6024; includes 2 DSU190-Bs, control adapter, and IOM throughput expansion)	2,505	103,300	298				X
	Drum Storage							
270-1	Random Access Drum and Control (2.6M char)(3)	1,060	41,625	172	X			
270-2	Random Access Drum and Control (5.2M char)(3)	1,785	70,425	290	X			
270-3	Random Access Drum and Control (7.8M char)(3)	2,515	99,225	407	X			
075	Track Protection (for 270-1, 2, 3)(3)	33	1,125	6	X			
270A-1	Random Access Drum and Control (2.6M char)(2)	1,235	50,070	206	X			
270A-2	Random Access Drum and Control (5.2M char)(2)	2,090	84,630	348	X			
270A-3	Random Access Drum and Control (7.8M char)(2)	2,945	119,400	490	X			
075A	Track Protection (for 270A-1, 2, 3)	38	1,370	8	X			
	Bulk Store Subsystem							
BSC001	Basic Bulk Store Control (specify appropriate BSF001s and 1 to 8 BSU001s)	1,350	41,800	95			X	X
BSF001	BSS System Controller Port (for Series 600; includes 2 BSS control ports, 2 cables, and 2 system control ports; specify 1 for each pair of system controllers)	225	7,200	10			X	
BMC002	Additional Channel for Bulk Store Unit (provides second nonsimultaneous channel from the BSU001 to a second BSC001)	337	10,800	15			X	X
BSU001	Bulk Store Unit (includes first 262,144 words of memory, control, power supply and cabinet space for up to 524,288 words of memory)	5,950	188,800	315			X	X
BSM001	Bulk Store Memory (increases capacity from 262,144 to 524,288 words)	5,610	178,000	300			X	X
BSM002	Bulk Store Memory (includes cabinet for additional 524,288 words; increases capacity from 524,288 to 786,432 words)	5,610	178,000	300			X	X
BSM003	Bulk Store Memory (increases capacity from 786,432 to 1,048,576 words)	5,610	178,000	300			X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	INPUT/OUTPUT							
	Magnetic Tape							
103	Tape Control (for up to four 204B-11 and 204B-12, or 204B-11B and 204B-12B, units; includes one 204B-11 or -11B unit)	505	19,440	75	X			
103A	Tape Control (for up to four 204B-13 and 204B-14 units; includes one 204B-13 unit)	555	21,490	87	X			
103B	Tape Control (for up to four 204B-15 and 204B-16 units; includes one 204B-15 unit)	595	24,300	89	X			
103D	Tape Control (for up to four 204B-17 and 204B-18 units; includes one 204B-17 unit)(2)	335	13,500	70	X			
103E	Tape Control (for up to six 204B-15 and 204B-16 units; includes two 204B-15 units)	1,005	38,010	176	X			
103F	Tape Control (for up to four 204B-21 and 204B-22 units; includes one 204B-21 unit)	810	31,080	118	X			
103G	Tape Control (for up to two 204B-23 or 23A and 204B-24 or 24A units; includes one 204B-23 or 23A read-only unit)	316	11,500	59	X			
056	Dynamic Tape Addressing (for all 103 units)	27	1,050	2	X			
059	Density Switch (for 103, 103A, 103B, and 103F only)	21	670	2	X			
1053	Write Capability (for 103G only)	54	2,000	11	X			
1055	IBM Magnetic Tape Compatibility (for 103, 103A, 103B, and 103F only)	65	2,160	6	X			
1056	IBM Magnetic Tape Compatibility (for 103D and 103G only)	65	2,160	6	X			
1059	Density Switch (for 103D and 103G only)	21	670	2	X			
1059A	Two-Position Density Switch (200/556 bpi; for the 103G)	21	670	2	X			
1059B	Two-Position Density Switch (556/800 bpi; for the 103G)	21	670	2	X			
1059C	Two-Position Density Switch (200/800 bpi; for the 103G)	21	670	2	X			
203A-1	Tape Control (for up to four 204A-1 units)(3)	316	12,375	33	X			
203A-2	Tape Control (for up to four 204A-2 units)(3)	316	12,375	33	X			
203A-3	Tape Control (for up to four 204A-3 units)(3)	454	18,000	48	X			
203B-1	Tape Control (for up to eight 204B-1 and 204B-2 or 204B-3 and 204B-4 units)	486	18,360	51	X			
203B-2	Tape Control (for up to eight 204B-5 units; no interrupt)	486	18,360	51	X			
203B-2A	Tape Control (for up to eight 204B-5 units)	486	18,360	51	X			
203B-4	Tape Control (for up to eight 204B-7 or 204B-8 units)	486	18,360	51	X			
203B-5	Tape Control (for up to four 204B-11 and 204B-12, or 204B-11B and 204B-12B, units)	347	12,960	35	X			
203B-6, 203B-6A	Tape Control (for up to eight 204B-9 units)	486	18,360	51	X			
050	IBM Format Feature (provides end-of-file recognition; for 203B-1, 2, 4, and 6 only)	65	2,250	6	X			
051	IBM Code Compatibility Feature (BCD code translation; for 203B-1, -2, -4, and -6 only)	65	2,250	6	X			
056	Dynamic Tape Addressing (for all 203B units)	27	1,050	2	X			
057	IBM Magnetic Tape Compatibility (for 203B-5 only)	65	2,250	6	X			
059	Density Switch (for 203B-5 only)	21	670	2	X			
203C-7	Tape Control (for one 204C-13 and one 204C-14 unit)(2)	418	15,750	42	X			
203D-1	Tape Control (for up to eight 204D-1 units)	775	29,400	84	X			
203D-3	Tape Control (for up to eight 204D-3 units)	885	33,600	96	X			
203D-5	Tape Control (for up to eight 204D-5 units)	995	37,800	108	X			
052	IBM 7-Track Tape (for all 203D units)	170	5,500	16	X			
056	Dynamic Tape Addressing (for all 203D units)	27	1,050	2	X			
1052	EBCDIC Code Translator (for all 203D units)	107	4,100	11	X			
203F-1	Tape Control (for up to eight 204F-1 units; includes one 204F-1 unit)	1,235	48,400	180	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Magnetic Tape (Contd.)							
203F-3	Tape Control (for up to eight 204F-3 units; includes one 204F-3 unit)	1,350	52,800	191	X			
203F-5	Tape Control (for up to eight 204F-5 units; includes one 204F-5 unit)	1,490	58,300	238	X			
052	IBM 7-Track Tape (for all 203F units)	170	5,500	16	X			
056	Dynamic Tape Addressing (for all 203F units)	27	1,050	2	X			
1052	EBCDIC Code Translator (for all 203F units)	107	4,100	11	X			
204A-1	Magnetic Tape Unit (3/4-inch tape; 31,760 cps)(3)	485	20,250	119	X			
204A-2	Magnetic Tape Unit (3/4-inch tape; 63,520 cps)(3)	970	43,200	185	X			
204A-3	Magnetic Tape Unit (3/4-inch tape; 88,800 cps)(3)	970	43,200	185	X			
204B-1	Magnetic Tape Unit (1/2-inch tape; primary unit; 200/556 bpi; 7,200/19,980 cps)	404	15,120	89	X			
204B-2	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 7,200/19,980 cps)	350	12,960	75	X			
204B-3	Magnetic Tape Unit (1/2-inch tape; primary unit; 200/556 bpi; 16,000/44,400 cps)	575	21,600	126	X			
204B-4	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 16,000/44,400 cps)	520	19,440	114	X			
204B-5	Magnetic Tape Unit (1/2-inch tape; 200/556 bpi; 24,000/66,600 cps)	810	30,240	176	X			
204B-7	Magnetic Tape Unit (1/2-inch tape; 556/800 bpi; 19,980/28,800 cps)	457	17,280	100	X			
055	1200-BPI Recording Density (factory-installable only)(3)	55	2,100	6	X			
204B-8	Magnetic Tape Unit (1/2-inch tape; 556/800 bpi; 44,400/64,000 cps; can be furnished to read/write 200/800 bpi)	690	25,920	151	X			
204B-9	Magnetic Tape Unit (1/2-inch tape; 556/800 bpi; 66,600/96,000 cps)	915	34,560	200	X			
054	1200-BPI Recording Density (factory-installable only)(3)	27	1,300	2	X			
204B-11	Magnetic Tape Unit (1/2-inch tape; primary unit; 200/556 bpi; 4,800/13,320 cps; 200 bpi available only with feature 059 or 1059)(2)	318	12,375	69	X			
204B-11B	Magnetic Tape Unit (1/2-inch tape; primary unit; 200/556 bpi; 5,200/14,456 cps; 200 bpi available only with feature 059 or 1059)(2)	318	12,375	69	X			
204B-12	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 4,800/13,320 cps; 200 bpi available only with feature 059 or 1059)(2)	254	10,125	58	X			
204B-12B	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 5,200/14,456 cps; 200 bpi available only with feature 059 or 1059)(2)	254	10,125	58	X			
204B-14	Magnetic Tape Unit (1/2-inch tape; secondary unit; 556/800 bpi; 13,300/19,200 cps; 556 bpi available only with feature 059; can be furnished to read/write 200/800 bpi)	301	12,175	69	X			
204B-16	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 9,600/26,700 cps; 200 bpi available only with feature 059 or 1059)	345	14,400	80	X			
204B-18	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 3,200/8,896 cps; 200 bpi available only with feature 059 or 1059)	190	7,650	53	X			
204B-22	Magnetic Tape Unit (1/2-inch tape; secondary unit; 200/556 bpi; 12,000/33,400 cps; 200 bpi available only with feature 059 or 1059)	345	12,800	86	X			
204B-24	Magnetic Tape Unit (1/2-inch tape; secondary unit; 556 bpi; 8,900 cps; 200 or 800 bpi available with feature 1059)	190	7,650	53	X			
204B-24A	Magnetic Tape Unit (1/2-inch tape; secondary unit; 556 bpi; 8,900 cps; two densities available with feature 1059A, 1059B, or 1059C)	190	7,650	53	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Magnetic Tape (Contd.)							
204B-200	Magnetic Tape Subsystem (includes control and three 204B-201 units)	730	28,600	150	X			
204B-201	Magnetic Tape Unit (1/2-inch tape; 556 bpi; 10,000 cps)	225	8,800	44	X			
204B-300	Magnetic Tape Subsystem (includes control and three 204B-301 units)	900	35,200	176	X			
204B-301	Magnetic Tape Unit (1/2-inch tape; 556 bpi; 20,000 cps)	281	11,000	55	X			
204B-400	Magnetic Tape Subsystem (includes control and three 204B-401 units)	1,045	40,700	203	X			
204B-401	Magnetic Tape Unit (1/2-inch tape; 556 bpi; 30,000 cps)	312	12,100	61	X			
056	Dynamic Tape Addressing (for 204B-200, 300, and 400)	27	1,050	2	X			
1055	IBM Magnetic Tape Compatibility (for 204B-200, 300, and 400)	65	2,160	6	X			
1059	Density Switch (for 204B-200, 300, and 400)	21	670	2	X			
204C-13	Magnetic Tape Unit (1/2-inch tape; primary unit; 9-track; 800 bpi; 28,800 8-bit cps)(2)	520	20,250	114	X			
204C-14	Magnetic Tape Unit (1/2-inch tape; secondary unit; 9-track; 800 bpi; 28,800 8-bit cps)(2)	520	20,250	114	X			
204D-1	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 37,300/74,600 cps)(2)	426	15,960	91	X			
204D-1A	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 37,300/74,600 cps)	454	17,640	91	X			
204D-3	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 74,600/149,300 cps)(2)	615	23,100	131	X			
204D-3A	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 74,600/149,300 cps)	655	25,520	131	X			
204D-5	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 112,000/224,000 cps)(2)	890	33,600	191	X			
204D-5A	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 112,000/224,000 cps)	790	30,800	160	X			
1024	Cartridge Load Capability (for 204D-1A, 3A, and 5A only; factory installable only)	16	705	5	X			
1026	DC Power-On Meter (for 204D-1A, 3A, and 5A only; factory-installable only; 1-time charge of $100)	NC	NA	NC	X			
1027	Tape Movement Meter (for 204D-1A, 3A, and 5A only; factory-installable only; 1-time charge of $100)	NC	NA	NC	X			
1028	High Altitude Adapter (for 204D-1A, 3A, and 5A only)	NC	NA	NC	X			
204F-1	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 37,300/74,600 cps)	424	16,500	82	X			
204F-3	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 74,600/149,300 cps)	480	18,700	93	X			
204F-5	Magnetic Tape Unit (1/2-inch tape; 9-track; 800/1,600 bpi; 112,000/224,000 cps)	620	24,200	140	X			
MTC201	Tape Control (dc-coupled; 7-track; single-channel; for up to eight 15/42-kc units)	1,055	42,800	81		X	X	
MTC202	Tape Control (dc-coupled; 7-track; dual-channel; for up to eight 15/42-kc units)	1,605	65,700	126		X	X	
MTC221	Tape Control (dc-coupled; 7-track; single-channel; for up to eight 7.5/21-kc units)	1,055	42,800	82		X	X	
MTC222	Tape Control (dc-coupled; 7-track; dual-channel; for up to eight 7.5/21-kc units)	1,605	65,700	126		X	X	
MTC301	Tape Control (dc-coupled; 7-track; single-channel; for up to eight 15/42/60-kc units)	1,055	42,800	81		X	X	
MTC302	Tape Control (dc-coupled; 7-track; dual-channel; for up to eight 15/42/60-kc units)	1,605	65,700	126		X	X	
MTC321	Tape Control (dc-coupled; 7-track; single-channel; for up to eight 7.5/21/30-kc units)	1,055	42,800	81		X	X	
MTC322	Tape Control (dc-coupled; 7-track; dual-channel; for up to eight 7.5/21/30-kc units)	1,605	65,700	126		X	X	
MTC330	Tape Control (ac-coupled; single-channel; for up to 8 seven-track units)	1,055	42,800	78		X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Magnetic Tape (Contd.)							
MTC334	Tape Control (ac-coupled; dual-channel; for up to 16 7-track units)	1,605	65,700	120		X	X	X
MTC400	Tape Control (ac-coupled; single-channel; for up to 8 7 or 9-track units)	1,140	46,200	85		X	X	X
MTC404	Tape Control (ac-coupled; dual-channel; for up to 16 7 or 9-track units)	1,730	70,600	129		X	X	X
MTC501	Tape Control (single-channel; for up to 8 MTH502s or MTH505s)	690	28,600	74				X
MTC502	Tape Control (dual-channel; for up to 16 MTH502s or MTH505s; up to 2 MTH501 or MTH504 units can be mixed with the MTH502 or MTH505 units)	1,805	74,800	196				X
ADC500	Additional Data Channel (nonsimultaneous; for MTC501 and MTC502)	213	8,800	30				X
MTF503	7-Track Tape Unit Adapter (allows up to 2 of the 8 units on an MTC501 or 4 of the 16 units on an MTC502 to be mixed with the MTH502 or MTH505 units; for MTC501 and MTC502)	368	15,400	38				X
MTF504	Code Translation (ASCII/ Series 6000 6-bit code; for MTC501 and MTC502)	27	1,100	NC				X
MTF505	Code Translation (EBCDIC/ Series 6000 6-bit code; for MTC501 and MTC502)	27	1,100	NC				X
MTF506	Code Translation (EBCDIC/ ASCII code; for MTC501 and MTC502)	27	1,100	NC				X
MTH150	Magnetic Tape Unit (dc-coupled; 7-track; 21 kc; unavailable on Models 415, 425, or 435)(2)	309	11,600	52		X		
MTH200	Magnetic Tape Unit (ac-coupled; 7-track; 200/556 bpi; 7.5/21 kc)	345	13,300	49		X	X	X
MTH201	Magnetic Tape Unit (ac-coupled; 7-track; 200/556 bpi; 15/42 kc)	570	22,300	82		X	X	X
MTH300	Magnetic Tape Unit (ac-coupled; 7-track; 200/556/800 bpi; 7.5/21/30 kc)	473	18,400	67		X	X	X
MTH301	Magnetic Tape Unit (ac-coupled; 7-track; 200/556/800 bpi; 15/42/60 kc)	690	27,100	100		X	X	X
MTH372	Magnetic Tape Unit (ac-coupled; 7-track; 200/556 bpi; 30/83 kc; available only on Models 425, 435, and 440 in 400 Series)	875	35,700	128		X	X	X
MTH373	Magnetic Tape Unit (ac-coupled; 7-track; 200/556/800 bpi; 30/83/120 kc; available only on Models 425, 435, and 440 in 400 Series)	1,000	40,700	147		X	X	X
MTH402	Magnetic Tape Unit (ac-coupled; 9-track; 200/556 bpi; 10/28 kc)	345	13,300	49		X	X	X
MTH403	Magnetic Tape Unit (ac-coupled; 9-track; 200/556/800 bpi; 10/28/40 kc)	473	18,400	67		X	X	X
MTH404	Magnetic Tape Unit (ac-coupled; 9-track; 200/556 bpi; 20/56 kc)	570	22,300	82		X	X	X
MTH405	Magnetic Tape Unit (ac-coupled; 9-track; 200/556/800 bpi; 20/56/80 kc)	690	27,100	100		X	X	X
MTH492	Magnetic Tape Unit (ac-coupled; 9-track; 200/556 bpi; 40/111 kc; available only on Models 425, 435, and 440 in 400 Series)	875	35,700	128		X	X	X
MTH493	Magnetic Tape Unit (ac-coupled; 9-track; 200/556/800 bpi; 40/111/160 kc; available only on Models 425, 435, and 440 in 400 Series)	1,000	40,700	147		X	X	X
MTH501	Magnetic Tape Unit (7-track; 200/556/800 bpi; 15/41/60 kc)	494	20,460	87				X
MTH502	Magnetic Tape Unit (9-track; 800/1,600 bpi; 80/160 kc)	494	20,460	87				X
MTH504	Magnetic Tape Unit (7-track; 200/556/800 bpi; 25/69/100 kc)	625	25,740	110				X
MTH505	Magnetic Tape Unit (9-track; 800/1,600 bpi; 133/266 kc)	625	25,740	110				X
MTF510	Cartridge Load Capability (for MTH501, MTH502, MTH504, and MTH505)	17	780	2				X
MTF512	High Altitude Adapter (factory installation; for MTH501, MTH502, MTH504, and MTH505)	NC	NC	NC				X
MTF513	High Altitude Adapter (field installation; a 1-time charge of $50 applies; for MTH501, MTH502, MTH504, and MTH505)	NC	NC	NC				X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Magnetic Tape (Contd.)							
MTF514	DC Power-On Meter (factory installation; a 1-time charge of $100 applies; for MTH501, MTH502, MTH504, and MTH505)	NC	NC	NC				X
MTF515	Tape Movement Meter (a 1-time charge of $100 applies; for MTH501, MTH502, MTH504, and MTH505)	NC	NC	NC				X
MTS150	Magnetic Tape Subsystem (dc-coupled; 7-track; includes control and four 21-kc tape units; unavailable on Models 415, 425, or 435)(2)	1,455	52,300	287		X		
	Paper Tape							
209	Paper Tape Reader and Control (600 frames/sec; specify feature 1021 or 1022)(2)	317	12,375	43	X			
209-2	Paper Tape Reader and Control (600 frames/sec; specify feature 1021 or 1022)(2)	375	14,625	43	X			
210	Paper Tape Punch and Control (120 frames/sec; specify feature 1021 or 1022)	263	10,125	34	X			
1021	NCR-Type Reel Hubs (no extra cost at time of initial order; subsequent requests on RPQ basis)	—	—	—	X			
1022	NAB-Type Reel Hubs (no extra cost at time of initial order; subsequent requests on RPQ basis)	—	—	—	X			
PTR200	Paper Tape Reader (500 cps)(2)	585	20,600	120		X	X	X
PTP200	Paper Tape Punch (150 cps)(2)	655	23,100	125		X	X	X
PTS200	Paper Tape Subsystem (includes 1 PTR200 and PTP200)	1,105	39,200	215		X	X	X
	Punched Card							
123	Card Reader (400 cpm)	228	9,000	62	X			
123-2	Card Reader (600 cpm)	287	11,475	82	X			
123-4	Card Reader (1,050 cpm)	383	14,490	108	X			
1043	51-Column Adapter (for 123, 123-2, and 123-4)	33	1,125	8	X			
207	Card Reader Control (for read side of 227 Card Reader/Punch)(2)	273	10,800	30	X			
208	Card Punch Control (for punch side of 227 Card Reader/Punch)(2)	241	9,450	27	X			
017	Stacker Select (for 207 and 208)(2)	44	1,800	4	X			
017-1	Three-Stacker Select (for 207 and 208; 017 is a prerequisite; 1-time charge of $535 if factory or field installed)(2)	—	—	—	X			
040	Direct Transcription (for 207 only)(2)	55	2,280	6	X			
060	Direct Transcription (for 208 only)(2)	55	2,280	8	X			
061	Hole-Count Checking (for 208 only)(2)	134	5,690	16	X			
062	Punch-Feed Read (for 208 only; modification of the punch)(2)	38	1,350	8	X			
062	Punch-Feed Read (for 208 only; modification of the control unit)(2)	108	4,565	13	X			
208-1	Card Punch Control (for 224-1, 224-2, or 214-1)	171	6,750	18	X			
208-2	Card Reader/Punch Control (for 224-1, 224-2, or 214-2)	263	10,125	28	X			
064	Direct Transcription (for 208-1 and 208-2)	33	1,125	4	X			
214-1	Card Punch (100-400 cpm)	389	14,700	108	X			
214-2	Card Reader/Punch (reads 400 cpm; punches 100-400 cpm)	448	16,800	125	X			
223	Card Reader and Control (800 cpm)	351	13,500	92	X			
223-2	Card Reader and Control (1,050 cpm)	400	15,120	113	X			
043	51-Column Adapter (for 223 and 223-2)	49	1,800	6	X			
044	Direct Transcription (for 223 and 223-2)	33	1,125	5	X			
045	90-Column Card Reading Capability (for 223 only; requires feature 044; min installation and rental charge of $1,000 is made for usage of 6 months or less)	134	5,025	18	X			
224-1	Card Reader/Punch (1442-1) (reads 300 cpm; punches 50-270 cpm)(3)	343	19,900	54	X			
065	Reject Stacker(2)	27	1,100	1	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Punched Card (Contd.)							
224-2	Card Reader/Punch (1442-2) (reads 400 cpm; punches 91-360 cpm)(3)	471	21,050	65	X			
227	Card Reader/Punch (reads 800 cpm; punches 250 cpm; includes early card read feature)(3)	715	35,610	174	X			
CPZ100	Card Punch and Control (100 cpm)	585	20,600	151		X	X	
CPZ201	Card Punch and Control (300 cpm)	960	34,000	238		X	X	X
CPZ300	Card Punch (100-400 cpm; URC001 or URC002 unit record control required)	449	16,800	90				X
CPF302	ASCII Code Feature	113	6,000	20				X
CRD150	Card Reader and Control (600 cpm; unavailable on the Model 415, 425, or 435)(2)	505	15,200	145		X		
CRZ201	Card Reader and Control (900 cpm)(2)	760	26,800	161		X	X	X
SCE201	51-Column Adapter (must be specified on the initial order, if required)	NC	NC	NC		X	X	X
CRZ301	Card Reader (1,050 cpm; URC001 or URC002 unit record control is required)	495	18,500	70				X
CRF301	51-Column Adapter	51	1,900	5				X
CRF302	ASCII Code Feature	128	7,100	22				X
	Printers							
112	Printer (300 lpm)	505	20,250	149	X			
1032	Extension of Print Positions from 120 to 132	65	2,250	15	X			
112-2A	Printer (450 lpm; 132 PP)	710	26,820	190	X			
112-3	Printer (650 lpm; 120 PP; requires feature 1019-1)	930	35,070	244	X			
1037	Extension of Print Positions from 120 to 132	65	2,250	15	X			
122	Printer (450 lpm)(3)	645	24,570	175	X			
122-1	Printer (300 lpm)(3)	505	20,250	149	X			
122-3	Printer (650 lpm; 120 PP)	930	35,070	244	X			
122-4	Printer (950 lpm; 120 PP)	1,225	46,200	286	X			
122-6	Printer (1,100 lpm; 120 PP)	1,370	51,660	299	X			
1034	Extension of Print Positions from 120 to 132 (for 122, 122-3, -4, and -6)	65	2,250	15	X			
1035	Extension of Print Positions from 120 to 132 (for 122-1 only)(3)	65	2,250	15	X			
206A	Printer Control (for the 822-3)(2)	171	6,750	18	X			
206	Printer and Control (900 lpm; 120 PP)(3)	835	33,750	225	X			
031	Extension of Print Positions from 120 to 132 (for 206)	82	2,925	20	X			
033	Vertical Spacing Feature (6 or 8 in./line)	33	1,125	4	X			
222-2NA	Printer and Control (450 lpm; 132 PP)	885	33,120	238	X			
222-3	Printer and Control (650 lpm; 120 PP)(3)	1,040	40,500	271	X			
222-3N	Printer and Control (650 lpm; 120 PP)	1,040	40,500	271	X			
222-4	Printer and Control (950 lpm; 120 PP)	1,465	57,375	384	X			
222-5	Printer and Control (450 lpm; 120 PP)(3)	825	30,870	223	X			
222-6	Printer and Control (1,100 lpm; 120 PP)	1,555	60,975	393	X			
222-7	Printer and Control (300 lpm; 120 PP)	665	25,410	185	X			
032	Extension of Print Positions from 120 to 132 (for 222-3, -4, and -6)	109	4,500	30	X			
034	Numeric Print (for 222-3)	144	5,625	15	X			
035	Numeric Print (for 222-4)	33	1,125	4	X			
036	Print Buffer (for 222-3, -4, -5, -6, and -7)	241	9,100	34	X			
1032	Extension of Print Positions from 120 to 132 (for 222-7)	65	2,250	15	X			
1033	Eight-Channel Format Tape (for 222-7)	33	1,125	4	X			
1034	Extension of Print Positions from 120 to 132 (for 222-5)(2)	65	2,250	15	X			
1036	Eight-Channel Format Tape (for 222-5)(3)	33	1,125	4	X			
1037	Extension of Print Positions from 120 to 132 (for 222-3N)	65	2,250	15	X			
229	Printer and Control (400 lpm; 120 PP)(4)	442	15,500	187	X			
031	Extension of Print Positions from 120 to 132	82	2,925	20	X			
033	Vertical Spacing Feature (6 or 8 lpi)	33	1,125	4	X			
MSL200	Multiple Tape Lister and Control (1,900 lpm; 6 tapes)(2)	1,975	70,100	404		X	X	
PRT150	Printer and Control (600 lpm; 136 PP)(2)	1,180	36,500	332		X		

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Printers (Contd.)							
PRT201	Drum Printer and Control (1,200 lpm; 136 PP)(2)	1,630	57,700	316		X	X	X
PDR200	Standard ASCII Print Drum and ASCII Code Wheel (for PRT201)	NC	NC	NC		X	X	X
PDR201	Standard Fortran Print Drum and ASCII Code Wheel (for PRT201; 0.103-inch char)	NC	NC	NC		X	X	X
PDR202	Standard Fortran Print Drum and ASCII Code Wheel (for PRT201; 0.091-inch char)	NC	NC	NC		X	X	X
PDR210	Standard Print Drum with COC-5 Char Set (for PRT201)	95	3,710	20		X	X	X
TPS201	Top-of-Page Switch (for PRT201; rear mounted; 1-time charge of $350 for field installation)	—	—	—		X	X	X
PRT203	Drum Printer (1,100 lpm; 132 PP; URC001 or URC002 Unit Record Control required)	1,010	35,400	220				X
PRT300	Train Printer and Control (1,200 lpm; 136 PP)(2)	1,965	75,090	305		X	X	X
PRT301	Train Printer and Control (1,200 lpm; 136 PP)(2)	2,070	82,620	320		X	X	X
PTC300	Additional Standard Print Train Cartridge (for PRT300 and PRT301)(2)	112	3,090	TM		X	X	X
PRT303	Train Printer (1,200 lpm; 136 PP; not including train; URC001 or URC002 Unit Record Control is required for operation)	1,685	60,200	235				X
PTC303	ASCII Print Train (upper/lowercase; 96 printable char)	123	3,550	5				X
PTC308	Standard BCD Print Train	123	3,550	5				X
	MICR and OCR							
232	MICR Reader-Sorter and Control	1,390	56,250	324	X			
232-5	MICR Reader-Sorter and Control	1,045	40,180	301	X			
233-2	MICR Control (B103)(2)	444	17,550	48	X			
B103	Burroughs B103 MICR Reader-Sorter (there is a $150 maintenance surcharge if located outside a Burroughs service area)(2)(10)	—	90,000	745	X			
B103E	Burroughs B103 MICR Reader-Sorter (with endorser; there is a $150 maintenance surcharge if located outside a Burroughs service area)(2)(10)	—	99,000	821	X			
234-0	MICR Reader-Sorter (6 pockets; 830 dpm)	660	26,400	200	X			
234-3	Reader-Sorter Control (for 234-0)	373	14,950	32	X			
234-4	Multiple Digit Selection	20	880	2	X			
236	Document Reader-Sorter (16 pockets; 1,625 doc/min)(10)	—	96,600	564	X			
236-1	Reader-Sorter Control (for 236)(10)	—	14,950	32	X			
DRD236	Document Reader-Sorter (16 pockets; 1,625 doc/min)(10)	—	96,600	564				X
	Features for 236, 236-1, and DRD236 (all options must be stated at time of order)(10)							
236-2	Multilevel E13-B Recognition	—	19,320	72	X			X
236-3	Endorser	—	10,120	65	X			X
236-4	Expansion Unit (16 additional pockets)	—	5,060	13	X			X
236-5	Expansion Module (4 additional pockets)	—	15,180	47	X			X
236-6	Mobile Carrier	—	175	NC	X			X
236-7	Short Document Read Capability	—	690	2	X			X
236-8	Short Document Module Expansion	—	460	2	X			X
236-9	Batch Ticket Detector	—	690	2	X			X
236-10	Resettable Item Counter	—	460	2	X			X
236-11	Basic Off-Line Sort	—	1,610	6	X			X
236-12	Expanded Off-Line Field Sort	—	460	2	X			X
236-13	Digit Override	—	690	2	X			X
236-14	Digit Edit	—	690	2	X			X
236-15	Zero Kill	—	690	2	X			X
236-16	Field Override	—	690	2	X			X
236-17	Field Edit	—	690	2	X			X
236-18	No Field/No Digit Outsort	—	690	2	X			X
236-19	Stacker Overflow	—	690	2	X			X
236-20	Valid Character Check	—	460	2	X			X
236-21	Extended Sort Control	—	2,760	20	X			X
236-22	8-Pocket Off-Line Sort Feature	—	1,965	8	X			X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	MICR and OCR (Contd.)							
236-30	Document Reader-Sorter (4 pockets; 1,625 doc/min)(10)	—	51,060	423	X			
236-31	Document Reader-Sorter (8 pockets; 1,625 doc/min)(10)	—	66,240	470	X			
236-32	Document Reader-Sorter (12 pockets; 1,625 doc/min)(10)	—	81,420	517	X			
243	Optical Document Reader and Control	1,805	67,200	464	X			
042	Optical Mark Read	340	12,600	87	X			
DEC6000	Data Entry Controller (for up to 6 MICR and/or OCR devices)	2,550	116,000	250				X
DHC600	Document Handler Channel (for MRS200 or DRD200)	107	4,800	5				X
DHC601	Document Handler Channel (for DRD236)(10)	—	4,800	5				X
ICP600	Interconnecting Port	101	4,560	15				X
DRD200	COC-5 Document Reader (1,200 doc/min; includes 2 stackers)	1,340	47,900	263		X		X
MSM200	Mark Sense Option	112	4,000	23		X		X
CRM200	300-CPM Card Read Option	282	9,980	56		X		X
MRS200	MICR Reader-Sorter (std MICR II Reader; 12 pockets; 1,200 doc/min)(2)	2,325	82,400	452		X		X
BFR200	COC-5 Bar Font Reader Option(2)	585	20,600	113		X		X
MRH200	MICR III Replacement for MICR II Reader (1-time charge of $120 for field installation)(2)	96	3,000	NC		X		X
OPT311	Transportation Check Digit Option(2)	112	4,500	16		X		X
OPT312	Endorser Stamp Option	123	4,640	27		X		X
	DATA COMMUNICATIONS							
	Single-Channel Communication Controls							
281-1A	W.U. Telex	172	6,750	28	X			
281-1B	TWX CE; 8-Level Teletypewriter	172	6,750	28	X			
281-1C	5-Level Teletypewriter	172	6,750	28	X			
281-1D	8-Level Teletypewriter	172	6,750	28	X			
281-1E	TWX CE; IBM 1050	172	6,750	28	X			
281-1H	Voice Lines (for use with DATA SPEED 2)	172	6,750	28	X			
1061	Interface for VIP 765	NC	NC	NC	A			
1062	Interface for VIP 775 and 785	NC	NC	NC	A			
281-1K	W.U. 180-Baud; IBM 1050	172	6,750	28	X			
281-1KTP	KEYTAPE/Communicator (private lines)	172	6,750	28	X			
281-1KTS	KEYTAPE/Communicator (switched network)	172	6,750	28	X			
281-1M	Data Station (288-1 central control unit)(2)	172	6,750	28	B			
281-1R	VIP Series Displays, Asynchronous (private lines, switched network, or direct connection)	231	8,930	38	X			
281-1TC	Burroughs TC-500	231	8,930	38	X			
281-1TN	SRT301 Teleprinter	172	6,750	28	X			
1080	15 cps (for 281-1TN; 1-time charge of $75 applies to field installation or removal)	NC	NC	NC	X			
281-2B	Voice Lines	210	8,100	33	X			
1060	Extended Speed	54	2,055	14	X			
1061	Interface for VIP 765	NC	NC	NC	A			
1062	Interface for VIP 775 and 785	NC	NC	NC	A			
281-2BSC	IBM Binary Synchronous Communications Device	264	10,125	43	X			
	Features for 281-2B and 281-2BSC							
1070	2,000 bps	NC	NC	NC	X			
1071	2,400 bps	NC	NC	NC	X			
1072	3,600 bps	22	840	9	X			
1073	4,800 bps	22	840	9	X			
1074	5,400 bps	22	840	9	X			
1075	7,200 bps	22	840	9	X			
1076	9,600 bps	22	840	9	X			
281-2D	Voice Lines (IBM 7702, 1013)	264	10,125	43	X			
281-2F	Telpak A	264	10,125	43	X			
281-2M	Data Station (288-3 central control unit)(3)	210	8,100	33	B			
281-2R	VIP Series Displays, Synchronous (private lines, switched network, or direct connection)	280	10,765	45	X			
281-137P	150-Baud; 8-Level Teletype-writer	172	6,750	28	X			
281-137S	Voice Lines; 8-Level Teletypewriter	172	6,750	28	X			
087	Long Check (available only on certain models of 281)	65	2,250	10	X			
287-1	Autodin Communication Control (ASCII Code)	670	27,000	91	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Single-Channel Communication Controls (Contd.)							
SLC401	Datanet 20 Single-Line Communications Controller (half-duplex asynch; up to 1,200 bps; ASCII code; includes 1-char channel)	324	12,600	50		X		
SLC402	Datanet 21 Single-Line Communications Controller (synch; voice-grade)	355	13,800	55		X		
SLC403	Datanet 21 Single-Line Communications Controller (synch; up to 50,000 bps)	435	17,200	66		X		
	Multi-Channel Communication Controls							
286-1	MCCC (for 2-3 lines)	242	9,450	41	X			
286-2	MCCC (for 4-15 lines)	366	14,400	60	X			
286-3	MCCC (for 16-63 lines)	456	18,000	75	X			
086	Parity Check on Reception and Parity Generation on Transmission (for 286-1, -2, and -3)	65	2,250	10	X			
087	Long Check (for 286-1, -2, and -3)	65	2,250	10	X			
286-4	Message-Mode MCCC (for 2-32 half-duplex lines)	915	34,000	149	X			
286-5	Message-Mode MCCC (for 33-63 half-duplex lines)	1,315	51,750	224	X			
286-6	Message-Mode MCCC (for 1-32 lines)	1,175	44,400	139	X			
286-7	Message-Mode MCCC (for 33-63 lines)	1,570	59,400	207	X			
	Communications Adapters							
285-T	Communication Interval Timer	38	1,350	8	X			
285-1A	W. U. Telex	38	1,350	8	X			
285-1B	TWX CE; 8-Level Teletypewriter	49	1,800	9	X			
285-1C	5-Level Teletypewriter	38	1,350	8	X			
285-1D	8-Level Teletypewriter	49	1,800	9	X			
285-1E	TWX CE; IBM 1050	49	1,800	9	X			
285-1H	Voice Lines (for use with DATA SPEED 2 and VIP 765)	49	1,800	9	X			
1061	Interface for VIP 765	NC	NC	NC	A			
1062	Interface for VIP 775 and 785	NC	NC	NC	A			
285-1K	W.U. 180-Baud; IBM 1050	49	1,800	9	X			
285-1KTP	KEYTAPE/Communicator (private lines)	49	1,800	9	X			
285-1KTS	KEYTAPE/Communicator (switched network)	49	1,800	9	X			
285-1M	Data Station (288-1 central control unit)(2)	49	1,800	9	B			
285-1N	100-WPM ASCII TWX Service	49	1,800	9	X			
285-1PD	Teller Terminal (direct connection)	108	3,930	16	X			
285-1PM	Teller Terminal (remote)	86	3,130	14	X			
285-1R	VIP Series Displays, Asynchronous (private lines, switched network, or direct connection)	108	3,895	16	X			
285-1TC	Burroughs TC-500	108	3,895	16	X			
285-1TN	SRT301 Teleprinter	49	1,800	9	X			
1080	15 cps (for 285-1TN; 1-time charge of $75 applies to field installation or removal)	NC	NC	NC	X			
285-2B	Voice Lines	76	2,700	12	X			
1061	Interface for VIP 765	NC	NC	NC	A			
1062	Interface for VIP 775 and 785	NC	NC	NC	A			
285-2BSC	IBM Binary Synchronous Communications Device	124	4,500	18	X			
	Features for 285-2B and 285-2BSC							
1070	2,000 bps	NC	NC	NC	X			
1071	2,400 bps	NC	NC	NC	X			
1072	3,600 bps	22	840	9	X			
1073	4,800 bps	22	840	9	X			
1074	5,400 bps	22	840	9	X			
1075	7,200 bps	22	840	9	X			
1076	9,600 bps	22	840	9	X			
285-2D	Voice Lines IBM 7702, 1013	124	4,500	18	X			
285-2M	Data Station (288-3 central control unit)(3)	76	2,700	12	B			
285-2R	VIP Series Displays, Synchronous (private lines, switched network, or direct connection)	145	5,270	24	X			
285-3A	Voice Lines-DATA SPEED 5	102	3,600	15	X			
285-4A	Voice Lines-DATA SPEED 5	102	3,600	15	X			
285-5A	Switched Circuits, Automatic Dialing	49	1,800	9	X			
285-7A	Multi-Adapter Unit, Full Drawer (8 units for dc-telegraph lines; Mod 285-1A and 1C in any combination)	242	9,450	41	X			
285-7B	Multi-Adapter Unit, Full Drawer (8 units for EIA start-stop transmission; Mod 285-1B, 1D, 1H, 1K, 1M in any combination)	317	12,375	53	X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	Communications Adapters (Contd.)							
285-7C	Multi-Adapter Unit, Full Drawer (8 units for Series 200 communication; Mod 285-2B)	473	18,450	77	B			
285-7D	Multi-Adapter Unit, Full Drawer (8 units; automatic dialing; Mod 285-5A)	317	12,375	53	X			
285-7E	Multi-Adapter Unit, Full Drawer (15 units for dc-telegraph lines; Mod 285-1A and 1C in any combination)	434	17,100	71	X			
285-137P	150-Baud; 8-Level Teletypewriter	49	1,800	9	X			
285-137S	Voice Lines; 8-Level Teletypewriter	49	1,800	9	X			
	Audio Response System							
285-8	Audio Response Adapter (6 lines)	449	16,875	49	X			
082-1	Tone Answer Back Option (2 lines)	21	675	2	X			
082-2	Voice Answer Back Option (2 lines)	21	675	2	X			
083-1	Voice Cylinders (31 elements, phrases only; original and spare)	—	2,050	—	X			
083-2	Voice Cylinders (31 elements, words and phrases or words only; original and spare)	—	2,550	—	X			
083-3	Voice Cylinders (63 elements, phrases only; original and spare)	—	3,200	—	X			
083-4	Voice Cylinders (63 elements, words and phrases or words only; original and spare)	—	3,600	—	X			
083-5	Voice Cylinders (189 elements, words only; original and spare)	—	3,600	—	X			
285-8A	Audio Response Expansion Module (2 lines)	102	3,825	11	X			
285-8C	Audio Unit (31 elements; 6 lines)	665	24,750	71	X			
285-8D	2-Line Expansion (31 elements)	38	1,350	5	X			
285-8F	Audio Unit (63 elements; 6 lines)	875	32,625	91	X			
285-8G	2-Line Expansion (63 elements)	49	1,800	5	X			
285-8J	Audio Unit (189 elements; 6 lines)	1,380	51,750	146	X			
285-8K	2-Line Expansion (189 elements)	55	2,050	5	X			
	Data Station[11]							
288-1	Central Control Unit[2]	208	6,750	72	B			
088-1	Buffer[2]	104	3,150	34	B			
088-2	Extended Operation[2]	50	1,350	20	B			
288-3	Central Control Unit[3]	311	9,900	106	B			
088-3	Buffer[3]	104	3,150	34	B			
088-4	Extended Operation[3]	50	1,350	20	B			
289-2	Page Printer and Keyboard (10 cps)[2]	98	2,925	34	B			
289-2A	Central Control Unit Keyboard[2]	50	1,350	20	B			
289-3	Page Printer and Keyboard (40 cps)[3]	244	7,875	83	B			
289-4	Paper Tape Reader and Spooler (120 cps)[2]	92	2,700	33	B			
289-5	Paper Tape Punch and Spooler (120 cps)[2]	131	3,825	45	B			
289-7	Card Reader (143 cps; feature 088-1 required)[3]	104	3,150	34	B			
289-8	Optical Bar Code Reader (feature 088-1 required)[2]	343	11,250	119	B			
289-9	Remote Line Printer (120 PP; requires 288-3; rentals and maintenance rates are increased by $53.50/month if printer is used to print bar-code documents)[3]	980	40,500	144	B			
1034	Extension of Print Positions from 120 to 132 (for 289-9)[3]	65	2,250	14	B			
089-2	Multi-Line Block (requires feature 088-3; for 289-9)[3]	16	675	2	B			
	Alphanumeric Terminals							
	765 Series VIP[12]							
765-1	Single VIP Terminal (includes DCU and KDT)	191	6,300	39	A			X
765-2	Dual VIP Terminal (includes DCU, MEU, and 2 KDTs)	300	9,900	67	A			X
765-3	Cluster Configuration (3 terminals; includes MCIU, 2 DCUs, MEU, and 3 KDTs)	510	16,740	116	A			X
765-4	Cluster Configuration (4 terminals; includes MCIU, 2 DCUs, 2 MEUs, and 4 KDTs)	660	21,600	144	A			X
765-5	Cluster Configuration (5 terminals; includes MCIU, 3 DCUs, 2 MEUs, and 5 KDTs)	795	26,100	184	A			X
765-6	Cluster Configuration (6 terminals; includes MCIU, 3 DCUs, 3 MEUs, and 6 KDTs)	920	30,240	212	A			X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	765 Series VIP (Contd.)							
765-7	Cluster Configuration (7 terminals; includes MCIU, 4 DCUs, 3 MEUs, and 7 KDTs)	1,045	34,380	252	A			X
765-8	Cluster Configuration (8 terminals; includes MCIU, 4 DCUs, 4 MEUs, and 8 KDTs)	1,170	38,520	280	A			X
765-9	Cluster Configuration (9 terminals; includes MCIU, 5 DCUs, 4 MEUs, and 9 KDTs)	1,300	42,660	318	A			X
765-10	Cluster Configuration (10 terminals; includes MCIU, 5 DCUs, 5 MEUs, and 10 KDTs)	1,455	47,880	346	A			X
765-11	Cluster Configuration (11 terminals; includes MCIU, 6 DCUs, 5 MEUs, and 11 KDTs)	1,635	53,820	385	A			X
765-12	Cluster Configuration (12 terminals; includes MCIU, 6 DCUs, 6 MEUs, and 12 KDTs)	1,795	59,040	413	A			X
765-13	Cluster Configuration (13 terminals; includes MCIU, 7 DCUs, 6 MEUs, and 13 KDTs)	1,975	64,980	452	A			X
765-14	Cluster Configuration (14 terminals; includes MCIU, 7 DCUs, 7 MEUs, and 14 KDTs)	2,135	70,200	469	A			X
765-15	Cluster Configuration (15 terminals; includes MCIU, 8 DCUs, 7 MEUs, and 15 KDTs)	2,315	76,140	506	A			X
765-16	Cluster Configuration (16 terminals; includes MCIU, 8 DCUs, 8 MEUs, and 16 KDTs)	2,470	81,360	534	A			X
765-17	Cluster Configuration (17 terminals; includes MCIU, 9 DCUs, 8 MEUs, and 17 KDTs)	2,650	87,300	574	A			X
765-18	Cluster Configuration (18 terminals; includes MCIU, 9 DCUs, 9 MEUs, and 18 KDTs)	2,810	92,520	601	A			X
765-19	Cluster Configuration (19 terminals; includes MCIU, 10 DCUs, 9 MEUs, and 19 KDTs)	2,990	98,460	640	A			X
765-20	Cluster Configuration (20 terminals; includes MCIU, 10 DCUs, 10 MEUs, and 20 KDTs)	3,150	103,680	668	A			X
	Features for the 765s							
765-21	Line Repeater Unit	11	420	2	A			X
765-23	Receive-Only 23-Inch CRT (substitute for keyboard/ display terminal; keyboard not included)	NC	NC	NC	A			X
	775 Series VIP[13]							
775-1	Single VIP Terminal (includes DCU and KDT)	219	7,200	47	A			X
775-2	Dual VIP Terminal (includes DCU, MEU, and 2 KDTs)	372	12,240	72	A			X
775-3	Cluster Configuration (3 terminals; includes MCIU, 2 DCUs, MEU, and 3 KDTs)	615	20,160	130	A			X
775-4	Cluster Configuration (4 terminals; includes MCIU, 2 DCUs, 2 MEUs, and 4 KDTs)	775	25,380	155	A			X
775-5	Cluster Configuration (5 terminals; includes MCIU, 3 DCUs, 2 MEUs, and 5 KDTs)	905	29,700	214	A			X
775-6	Cluster Configuration (6 terminals; includes MCIU, 3 DCUs, 3 MEUs, and 6 KDTs)	1,030	33,840	239	A			X
775-7	Cluster Configuration (7 terminals; includes MCIU, 4 DCUs, 3 MEUs, and 7 KDTs)	1,155	37,980	287	A			X
775-8	Cluster Configuration (8 terminals; includes MCIU, 4 DCUs, 4 MEUs, and 8 KDTs)	1,280	42,120	312	A			X
775-9	Cluster Configuration (9 terminals; includes MCIU, 5 DCUs, 4 MEUs, and 9 KDTs)	1,405	46,260	371	A			X
775-10	Cluster Configuration (10 terminals; includes MCIU, 5 DCUs, 5 MEUs, and 10 KDTs)	1,590	52,200	395	A			X
775-11	Cluster Configuration (11 terminals; includes MCIU, 6 DCUs, 5 MEUs, and 11 KDTs)	1,780	58,500	443	A			X
775-12	Cluster Configuration (12 terminals; includes MCIU, 6 DCUs, 6 MEUs, and 12 KDTs)	1,970	64,800	467	A			X
775-13	Cluster Configuration (13 terminals; includes MCIU, 7 DCUs, 6 MEUs, and 13 KDTs)	2,160	71,100	526	A			X
775-14	Cluster Configuration (14 terminals; includes MCIU, 7 DCUs, 7 MEUs, and 14 KDTs)	2,355	77,400	549	A			X
775-15	Cluster Configuration (15 terminals; includes MCIU, 8 DCUs, 7 MEUs, and 15 KDTs)	2,545	83,700	598	A			X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	775 Series VIP (Contd.)							
775-16	Cluster Configuration (16 terminals; includes MCIU, 8 DCUs, 8 MEUs, and 16 KDTs)	2,735	90,000	621	A			X
775-17	Cluster Configuration (17 terminals; includes MCIU, 9 DCUs, 8 MEUs, and 17 KDTs)	2,925	96,300	680	A			X
775-18	Cluster Configuration (18 terminals; includes MCIU, 9 DCUs, 9 MEUs, and 18 KDTs)	3,115	102,600	704	A			X
775-19	Cluster Configuration (19 terminals; includes MCIU, 10 DCUs, 9 MEUs, and 19 KDTs)	3,310	108,900	753	A			X
775-20	Cluster Configuration (20 terminals; includes MCIU, 10 DCUs, 10 MEUs, and 20 KDTs)	3,500	115,200	776	A			X
	Features for the 775s							
775-21	Line Repeater Unit	11	420	2	A			X
775-23	Receive-Only 23-Inch CRT (substitute for std keyboard/ display terminal; keyboard not included)	NC	NC	NC	A			X
775-24	Shared Receive-Only Model 33 TTY Printer (includes page print adapter for DCU)	87	2,880	27	A			X
775-26	Receive-Only Printer (30 cps; 118 PP; pin-feed platen; page print adapter)	167	5,472	43	A			X
775-28	Function Key Group (8 additional keys for std keyboard)	17	630	2	A			X
775-29	Keyboard in Keypunch Arrangement (substitute for std keyboard)	5	210	NC	A			X
775-30	Direct Timing Source for 775-1 and 775-2 (required for direct-connect interface)	28	1,050	3	A			X
	785 Series VIP[14]							
785-1	Single VIP Terminal (includes DCU and KDT)	235	7,740	51	A			X
	Features for the 785							
785-2	Shared Receive-Only Model 33 TTY Printer (includes page print adapter for DCU)	87	2,880	27	A			X
785-3	Receive-Only Printer (30 cps; 118 PP; pin-feed platen; page print adapter)	167	5,472	43	A			X
785-4	Function Key Group (8 additional keys for standard keyboard)	17	630	2	A			X
785-5	Direct Timing Source (required for direct-connect interface unless 785-7 is used)	27	1,050	3	A			X
785-6	Line Repeater Unit	11	420	2	A			X
785-7	Multistation Interface Unit (allows two 785-1s to share 1 line terminus)	82	3,150	13	A			X
785-8	Dual-Channel Adapter (for 785-8; max of 4 per 785-7; allows 2 additional 785-1s to share a line terminus)	8	336	1	A			X
785-9	Keyboard in Keypunch Arrangement (substitute for std keyboard)	5	210	NC	A			X
	2300 Series VIP[2]							
2306	Alphanumeric Keyboard	33	1,260	18	B			
2307	Upper/Lower-Case Keyboard	35	1,344	19	B			
2317A	960-Character Display Station	88	3,360	19	B			
2317B	888-Character Display Station	88	3,360	19	B			
2317C	480-Character Display Station	78	2,940	17	B			
2317D	444-Character Display Station	78	2,940	17	B			
2317E	222-Character Display Station	56	2,100	13	B			
2322A	960-Character Multi-Station Control	428	16,380	97	B			
2322B	888-Character Multi-Station Control	428	16,380	97	B			
2322C	480-Character Multi-Station Control	390	14,910	88	B			
2322D	444-Character Multi-Station Control	390	14,910	88	B			
2322E	222-Character Multi-Station Control	314	11,970	70	B			
2331	Communications Interface	50	1,890	12	B			
2339	Modem Bypass Clock	17	630	4	B			
2353A	960-Character RO Printer Control	116	4,410	26	B			
2353B	888-Character RO Printer Control	116	4,410	26	B			
2353C	480-Character RO Printer Control	83	3,150	18	B			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	2300 Series VIP (Contd.)							
2353D	444-Character RO Printer Control	83	3,150	18	B			
2353E	222-Character RO Printer Control	72	2,730	16	B			
2358A	960-Character Local RO Printer Control	122	4,620	27	B			
2358B	888-Character Local RO Printer Control	122	4,620	27	B			
2358C	480-Character Local RO Printer Control	88	3,360	20	B			
2358D	444-Character Local RO Printer Control	88	3,360	20	B			
2358E	222-Character Local RQ Printer Control	78	2,940	17	B			
2323	960-Character Single Display Station and Control	274	10,500	81	B			
2354	Printer Control for Single Display Station	11	420	3	B			
2343	Print Buffer for Single Display Station	17	630	5	B			
2370	Upper/Lowercase Option	17	630	4	B			
2390	Model 33 RO Printer with Friction Feed	56	1,100	31	B			
2391	Model 35 RO Printer with Friction Feed	83	2,100	46	B			
2392	Model 35 RO Printer with Sprocket Feed	88	2,250	49	B			
	Communications Processors							
	DATANET 30 Front-End Network Processor							
DCP910	Front-End Network Processor (includes 16,384 words of memory)	2,325	44,200	330		X	X	X
DCP931	Front-End Network Processor (includes 8,192 words of memory)	1,745	31,300	330		X	X	X
DCP932	Front-End Network Processor (includes 16,384 words of memory)	2,325	44,200	330		X	X	X
AMC930	Additional Module Cabinet (7 additional modules plus power supply)	266	5,400	19		X	X	X
PSA931	Power Supply Auxiliary	107	2,180	9		X	X	X
ASM931	Additional Memory (8,192 words; for DCP931; 1-time charge of $150 applies)	585	12,950	NC		X	X	X
CSU931	Controller-Selector Unit	355	6,950	40		X	X	X
CPC930	Common Peripheral Channel	292	5,600	40		X	X	X
PIU930	Processor Interrupt Unit	239	4,700	23		X	X	X
CIU931	Computer Interface Unit (for Series 400/600)	96 96	1,950	8		X	X	
CIU933	Computer Interface Unit (for Series 6000)	96	1,950	8				X
CPC931	High-Speed Common Peripheral Channel	435	8,250	66		X	X	X
BBU932	Bit Buffer Unit	65	940	23		X	X	X
BBC932	Bit Buffer Channel (nonechoplex; max 10/BBU932)	12	150	5		X	X	X
BBC933	Bit Buffer Channel (echoplex; max 10/BBU932)	12	150	5		X	X	X
BBU930	Bit Buffer Unit	65	940	23		X	X	X
BBC930	Bit Buffer Channel (echoplex; max 10/BBU930)	12	150	5		X	X	X
BBU931	Bit Buffer Unit	65	940	23		X	X	X
BBC931	Bit Buffer Channel (echoplex; max 10/BBU930)	12	150	5		X	X	X
	DATANET 305 Front-End Network Processors							
DCP301	Front-End Network Processor (12 low-speed channels; up to 300 bps each; for teleprinters)	1,275	52,800	160		X		X
DCP302	Front-End Network Processor (2 voice-grade, synch, half-duplex channels; 2,000/2,400/4,800 bps; for remote batch or VIP 775/785 terminals)	1,065	44,000	123		X		X
DCP303	Front-End Network Processor (12 low-speed channels, up to 300 bps, for teleprinters; plus 2 voice-grade, synch, half-duplex channels, up to 4,800 bps, for remote batch terminals or for 1 remote batch and 1 VIP 775/785 terminal)	1,910	70,000	249		X		X
DCP304	Front-End Network Processor (20 low-speed channels; up to 300 bps; for teleprinters)	1,575	61,000	182		X		X
DCP305	Front-End Network Processor (4 synch channels, up to 4,800 bps, for remote batch terminals)	1,410	55,000	163		X		X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	DATANET 305 (Contd.)							
DCP306	Front-End Network Processor (4 voice-grade, synch, half-duplex channels; 2,000/2,400 bps, for VIP 775/785 terminals or a combination of VIP and remote batch terminals)	1,440	56,100	166		X		X
DCP307	Front-End Network Processor (8 synch channels, up to 2,400 bps, for remote batch terminals)	2,000	68,100	231		X		X
DCP308	Front-End Network Processor (12 low-speed channels, up to 150 bps, for teleprinters plus 3 synch channels; up to 2,400 bps for VIP 775/785 terminals)	2,125	71,000	246		X		X
DCP309	Front-End Network Processor (8 low-speed channels, up to 150 bps for teleprinters plus 3 synch channels; up to 2,400 bps for remote batch terminals, plus 2 synch channels; up to 2,400 bps for VIP 775/785 terminals)	2,275	75,000	263		X		X
DCP310	Front-End Network Processor (12 low-speed channels, up to 150 bps, for teleprinters, plus 6 synch channels; up to 2,400 bps for remote batch terminals)	2,340	77,000	270		X		X
	DATANET 355 Front-End Network Processors							
SPA355	Front-End Network Processor (includes 16K memory and I/O control)(2)	1,955	88,320	192		X	X	X
AMM355	Additional 16K Memory (for SPA355; order SPB355 where 32K system is required initially)	1,285	58,080	126		X	X	X
SPB355	Front-End Network Processor (includes 32K memory and I/O control)	3,240	146,400	318		X	X	X
ICA355	Intercomputer Adapter (includes 1 port)	244	11,040	35		X	X	X
ICP355	Additional ICA Port	101	4,560	15		X	X	X
CPH355	High-Speed Common Peripheral Adapter	292	13,200	43		X	X	X
CPM355	Medium-Speed Common Peripheral Adapter	80	3,600	12		X	X	X
HDA355	High-Speed Device Adapter	229	10,320	33		X	X	X
HLA355	High-Speed Line Adapter	665	30,000	129		X	X	X
HSC351	High-Speed General-Purpose Channel with Automatic Call Unit (for HLA355)	75	3,360	16		X	X	X
HSC355	High-Speed General-Purpose Channel (for HLA355)	70	3,120	15		X	X	X
HSC356	Broadband Channel (19,200-50,000 bps; for HLA355)	96	4,320	14		X	X	X
HSA355	Two Asynchronous Channels (EIA RS232; for HLA355)	70	3,120	10		X	X	X
HSA357	Two Asynchronous Channels (current interface; for HLA355)	62	2,650	9		X	X	X
HSC358	Asynchronous Channel (MIL STD 188C; for HLA355)	72	3,190	10		X	X	X
BSC355	Binary-Synchronous Channel with CRC (for HLA355)	87	3,920	19		X	X	X
HSS355	Synchronous Channels (for HLA355)	80	3,600	12		X	X	X
HSS351	Synchronous Channels with Automatic Call Unit (for HLA355)	85	3,800	12		X	X	X
LLA352	Low-Speed Line Adapter (50, 75, 100, 200 bps)	545	24,800	105		X	X	X
LLA353	Low-Speed Line Adapter (50, 75, 110, 200 bps)	545	24,800	105		X	X	X
LLA354	Low-Speed Line Adapter (75, 110, 150, 300 bps)	545	24,800	105		X	X	X
LLA355	Low-Speed Line Adapter (110, 134.5, 150, 300 bps)	540	24,800	105		X	X	X
LSC351	Low-Speed Channel Package (ACU interface)	87	3,920	19		X	X	X
LSC355	Low-Speed Channel Package (EIA interface)	80	3,600	18		X	X	X
LSC357	Low-Speed Channel Package (current interface)	57	2,450	12		X	X	X
LSC358	Low-Speed Channel Package (MIL STD188C)	87	3,920	19		X	X	X
CMA355	Computer Monitor Adapter	266	11,000	30		X	X	X
PSA355	Peripheral Subsystem Adapter	291	13,200	43		X	X	X
LTD355	Line Transfer Device (includes 6 line terminations)	1,430	50,528	167		X	X	X
LEF355	Line Expansion Function (max 14/LTD355)	184	7,612	18		X	X	X
DCA355	Direct Connect Capability (asynch; for use on HLA355 or LLA355)	10	440	5		X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	DATANET 355 (Contd.)							
DCS355	Direct Connect Capability (synch; for use on HLA355)	23	968	5		X	X	X
NPC355	Network Processor Control Console and Adapter	153	6,610	45		X	X	X
DHC600	Document Handler Channel (for MRS200 or DRD200)	107	4,800	5		X		X
DHC601	Document Handler (for DRD236)(10)	—	4,800	5				X
DIA355	Direct Interface Adapter	322	14,630	31		X	X	X
RLP300	Remote Line Printer	675	26,400	160		X	X	X
	DATANET 2000 Communications Processor							
2600N	Data Communications Processor (includes control console, 40,960 bytes of memory, coupler, power supply)	875	32,050	165	A			
2603N	High Performance Feature (prices quoted on request)	—	—	—	A			
2604	Memory Expansion Module (8,192 bytes)	128	4,000	27	A			
2605N	Basic Multiline Controller (BMLC; handles 8 lines)	106	4,200	15	A			
2606	Asynchronous Interface Module (AIM; 2 lines/AIM for BMLC)	238	9,500	34	A			
2607	Synchronous Interface Module (SIM; 2 lines/SIM for BMLC)	238	9,500	34	A			
2608	Expansion Base for BMLC (increments by 16 lines)	22	840	3	A			
2609	Asynchronous Line Module (ALM; 2 additional line interfaces for 2608)	11	420	2	A			
2610	Synchronous Line Module (SLM; 2 additional line interfaces for 2608)	11	420	2	A			
2611N	Expansion Drawer	64	2,520	9	A			
2613	Cyclic Redundancy Check	22	840	3	A			
2615N	512K-Byte Fixed-Head Disc File and Control	530	18,000	85	A			
2617N	Auxiliary Cabinet (60 in. high)	55	1,690	NC	A			
2618N	Data Set Cable (EIA interface; 50 ft)	NC	NC	NC	A			
2621N	Teletypewriter Direct Connect Feature	—	—	—	A			
2622	Autodial Feature	54	2,100	8	A			

PO - Purchase Only
NC - No Charge
NA - Not Available
TM - Time and Material
A - Series 2000 only
B - Series 200 only

Notes:

(1) Prices shown are for 1-year lease; 3- and 5-year leases are also available.

(2) Orders accepted on an as-available basis.

(3) Not available on new orders.

(4) Available only to educational institutions (discount considered in price).

(5) The 213-3 Interval Timer, 220-3 Console, and at least 1 disc pack drive are mandatory.

(6) Requires 32,768 words of memory and DAP930.

(7) Requires 49,152 words of memory and DAP930.

(8) Requires 65,536 words of memory and DAP930.

(9) The price includes all necessary interface ports between the processor, memory, and IOC-B or IOC-C.

(10) One-year lease is unavailable.

(11) There is a maintenance surcharge for remote installation.

(12) KDT (Keyboard/Display Terminal) — includes typewriter keyboard with control keys, and a 14-inch CRT, which displays 1,012 characters in 22 lines of 46 characters each.

DCU (Display Control Unit) — includes a 1,200-bps, asynchronous communication line interface unit, control logic, memory, and keyboard interface for a KDT. A memory expansion unit (MEU) can be added to allow connection of a second KDT.

MCIU (Multiple Control Interface Unit) — permits a cluster configuration of 3 to 20 KDTs (by allowing connection of up to 9 additional DCUs) to use single communication terminus in a polled arrangement.

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 200/2000	400	600	6000
	(13) Same as number 12, except DCU has a 2,000- or 2,400-bps, and synchronous line interface unit.							
	(14) KDT (Keyboard/Display Terminal) — includes typewriter keyboard with control keys, and a 14-inch CRT, which displays 2,024 characters in 22 lines of 92 characters each. DCU (Display Control Unit) — includes a 2,000- or 2,400-bps, synchronous line interface unit, control logic, memory, and keyboard interface for a KDT.							

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE			
	System: 360/22			
	Processors			
2022-DC	Processing Unit (24,576 bytes)	867	32,600	137
2022-E	Processing Unit (32,768 bytes)	1170	44,800	147
	Processor Options			
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (6 switches)	NC	NC	NC
3895	External Interrupt	20	816	1
4427	Floating-Point Arithmetic	51	1910	2
4760	Interval Timer	51	1910	3
7520	Storage Protection	153	5750	2
	Interconnection Features			
4690	Integrated 1052 Console Printer-Keyboard Attachment	56	2070	11
	Consoles			
1052-8	Printer-Keyboard (interchangeable print element; 125 PP; print speed 14.8 cps)	64	2690	18
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors & Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	15
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	13
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
	System: 360/25			
	Processors			
2025-D	Processing Unit (16,384 bytes)	1410	69,500	198
2025-DC	Processing Unit (24,576 bytes)	1980	100,000	224
2025-E	Processing Unit (32,768 bytes)	2530	130,000	234
2025-ED	Processing Unit (49,152 bytes)	3370	177,800	244
	Processor Options			
1580	Card Print Control	25	1180	3
3274	Direct Control	102	3840	2
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (6 switches)	NC	NC	NC
3895	External Interrupt	20	816	1
4427	Floating-Point Arithmetic	NC	NC	NC
4466	Disk Storage Operations	NC	NC	NC
4760	Interval Timer	51	1910	3
5895	Punch/Feed/Read Control	NC	NC	NC
7520	Storage Protection	153	5750	2
7600	S/360 Model 20 Mode	98	5020	6
7800	2540 Card Read/Punch Emulation Control	59	3010	2
	Interconnection Features			
1300	Autocall Adapter Base	128	6430	5
1301	Autocall Adapter Extension 1	74	3700	3
1302	Autocall Adapter Extension 2	74	3700	3
4440	1400 Series Compatibility	98	5020	6
4441	1401/1460 Compatibility	NC	NC	NC
4442	1440 Compatibility	NC	NC	NC
4470	1401/1440/1460 DOS Compatibility	NC	NC	NC
3615	1,100-lpm Printer Adapter	59	3010	1
4590	Integrated 1403 Printer Attachment	443	22,600	46
4595	Integrated 2540 Card Read/Punch Attachment	272	13,800	17
4596	Integrated 2560 Multi-Function Card Machine Attachment	246	12,500	16
4598	Integrated 2311 Disc Attachment	367	18,500	36
5100	Multiple Character Set Adapter	15	734	4
3461	Dual Communications Interface	54	2710	1
4580	Integrated Communications Attachment (ICA)	272	13,600	17
4581	ICA Sub-Feature Base	59	2960	1
7401	Start/Stop Data Adapter Base (EIA)	147	7420	9
7402	Start/Stop Data Adapter Extension 1	118	5930	3
	Start/Stop Data Adapter Extension 2	118	5930	3
7411	Start/Stop Data Adapter Base (telegraph)	197	9890	8
7412	Start/Stop Data Adapter Extension 1	147	7420	3
7413	Start/Stop Data Adapter Extension 2	147	7420	3
7551	Synchronous Data Adapter (1st)	246	12,300	17
7541	Synchronous Clock (for 7551)	49	2470	2
7552	Synchronous Data Adapter (2nd)	246	12,300	17
7542	Synchronous Clock (for 7552)	49	2470	2
5248	Multiplexor Channel	147	7530	10
6960	Selector Channel	147	7530	10
	Consoles			
1052-7	Printer-Keyboard (interchanageable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
	System: 360/30			
	Processors			
2030-D	Processing Unit (16,384 bytes)	1880	81,700	110
2030-DC	Processing Unit (24,576 bytes)	2400	104,000	120
2030-E	Processing Unit (32,768 bytes)	2830	121,800	126
2030-F	Processing Unit (65,536 bytes)	4110	175,800	147
	Processor Options			
3237	Decimal Arithmetic	25	989	1
3274	Direct Control	106	3840	2
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (6 switches)	NC	NC	NC
3895	External Interrupt	20	816	1
4427	Floating-Point Arithmetic	53	1910	2
4760	Interval Timer	53	1910	3
5856	Programmed Mode Switch	20	816	1
7520	Storage Protection	159	5750	2
	Interconnection Features			
4456	1401/1440/1460 Basic Compatibility	239	9110	8
1990	Column Binary	31	1430	2
4463	1402 Card Read-Punch/1403 Printer Attachment	42	1910	2
4464	1442 Card Read-Punch/1443 Printer Attachment	42	1910	2
4465	Console Inquiry	15	765	1
4466	Disc Storage Drives	53	2390	1
4467	Magnetic Tape for Multiplexer Channel	53	2640	1
4468	Magnetic Tape for Selector Channel	53	2390	1
7190	1620 Compatibility	281	10,600	10
7915	1051 Control Unit Attachment	79	3960	8
5250	Additional Multiplexor Subchannels	NC	NC	NC
6960	First Selector Channel	227	8200	18
6961	Second Selector Channel (6980 reqrd)	195	7570	15
1850	Channel-to-Channel Adapter	239	9640	4

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Consoles			
1052-8	Printer-Keyboard (interchangeable print element; 125 PP; print speed 14.8 cps)	64	2690	19
1051-N1	Control Unit	59	3010	11
3130	CPU Attachment	10	510	1
4409	First Printer Attachment (reqrd for 1052-8 Printer-Keyboard)	NC	NC	NC
4410	First Punch Attachment (reqrd for 3130)	5	280	1
4411	First Reader Attachment (reqrd for 3130)	10	561	1
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors & Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
	System: 360/40			
	Processors			
2040-E	Processing Unit (32,768 bytes)	3810	173,800	131
2040-F	Processing Unit (65,536 bytes)	5070	227,600	154
2040-G	Processing Unit (131,072 bytes)	6780	302,400	186
2040-GF	Processing Unit (196,608 bytes)	9000	376,400	275
2040-H	Processing Unit (262,144 bytes)	10,800	478,400	296
	Processor Options			
3237	Decimal Arithmetic	121	4740	2
3274	Direct Control	159	6140	2
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (6 switches)	NC	NC	NC
4427	Floating-Point Arithmetic	106	4120	3
7520	Storage Protection	159	5750	2
	Interconnection Features			
4457	1401/1460 Compatibility	530	21,800	18
4460	1401/1440/1460 DOS Compatibility	153	5040	NC
4462	1401/1440/1460 Relocatable DOS Compatibility	153	5040	NC
4478	1410/7010 Compatibility	688	27,800	19
7920	1052 Console Printer-Keyboard Adapter	239	10,400	9
6980	First Selector Channel	372	14,800	19
6981	Second Selector Channel (6980 reqrd)	346	13,700	16
1850	Channel-to-Channel Adapter	239	9640	4
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2645	19
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors & Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
	System: 360/50			
	Processors			
2050-G	Processing Unit (131,072 bytes)	10,500	478,800	319
2050-H	Processing Unit (262,144 bytes)	14,550	654,800	429
2050-HG	Processing Unit (393,216 bytes)	18,150	747,500	605
2050-I	Processing Unit (524,288 bytes)	21,100	937,800	627
	Processor Options			
3274	Direct Control	239	8250	3
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
	Interconnection Features			
4478	1410/7010 Compatibility	688	25,500	40
7117	7070/7074 Compatibility	688	25,500	40
7920	1052 Console Printer-Keyboard Adapter	239	10,400	9
8080	2361 Core Storage Attachment	79	2970	2
5250	Additional Multiplexor Subchannels	NC	NC	NC
6980	First Selector Channel	744	30,300	29
6981	Second Selector Channel (6980 reqrd)	744	30,300	29
6982	Third Selector Channel (6981 reqrd)	744	30,300	29
1850	Channel-to-Channel Adapter	239	9640	4
	Processor Storage			
2361-1	Large Capacity Core Storage (1,048,576 bytes)	6620	181,000	375
2361-2	Large Capacity Core Storage (2,097,152 bytes)	11,200	302,000	586
7131	Shared Storage	153	3970	2
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2645	19
2150-1	Console (allows 1052-7 to act as stand-alone systems console)	525	24,100	16
5475	First Operator Control Panel (requires 9560)	35	1480	NC
5476	Second Operator Control Panel (requires 9560 and 5475)	35	1480	NC
2250-1	Display Unit	1080	52,200	160
1002	Absolute Vectors & Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5475	First Operator Control Panel (requires 9560)	44	1970	NC
5476	Second Operator Control Panel (requires 5475 and 9560)	34	1530	NC
5855	Programmed Function Keyboard	147	7120	8
	System: 360/65			
	Processors			
2065-H	Processing Unit (262,144 bytes)	14,300	556,000	450
2065-I	Processing Unit (524,288 bytes)	14,350	558,000	450
2065-IH	Processing Unit (786,432 bytes)	14,800	575,700	473
2065-J	Processing Unit (1,048,576 bytes)	14,850	577,000	473
2065-MP	Processing Unit (524,288 to 2,097,162 bytes in increments of 262,144)	17,100	683,000	627

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Processor Options			
1501	CPU Feature (right 2065-MP)	NC	NC	NC
1502	CPU Feature (left 2065-MP)	NC	NC	NC
1505	Configuration Control Panel	362	17,100	10
3274	Direct Control	265	8920	3
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
	Interconnection Features			
7117	7070/7074 Compatibility	744	28,200	31
7118	7080 Compatibility	744	29,200	25
7119	709/7040/7044/7090/7094/7094 II Compatibility	637	23,900	21
7920	1052 Console Printer-Keyboard Adapter	239	10,400	9
7921	Second 1052 Console Printer-Keyboard Adapter	239	10,400	9
7922	Dual 1052 Console Printer-Keyboard Adapter	476	20,800	20
1305	Fifth 2365 Processor Storage Attachment	231	10,900	33
1306	Sixth 2365 Processor Storage Attachment	52	2420	5
1307	Seventh 2365 Processor Storage Attachment	52	2420	5
1308	Eighth 2365 Processor Storage Attachment	52	2420	5
8080	2361 Core Storage Attachment	106	3880	3
2870	Multiplexer Channel	2230	105,000	98
1861	Channel Indirect Data Addressing	204	9610	2
6990	First Selector Subchannel	408	17,700	16
6991	Second Selector Subchannel (requires 6990)	255	10,700	10
6992	Third Selector Subchannel (requires 6991)	255	10,700	10
6993	Fourth Selector Subchannel (requires 6992)	255	10,700	10
2860-1	Selector Channel (1 ch)	2140	99,800	56
2860-2	Selector Channel (2 ch)	3050	142,000	91
2860-3	Selector Channel (3 ch)	3970	184,000	127
1850	Channel-to-Channel Adapter	229	9640	4
1861	Channel Indirect Data Addressing (for 2860-1)	153	7120	2
1862	Channel Indirect Data Addressing (for 2860-2)	306	14,200	3
1863	Channel Indirect Data Addressing (for 2860-3)	459	21,300	5
	Processor Storage			
2361-1	Large Capacity Core Storage (1,048,576 bytes)	6620	181,000	382
2361-2	Large Capacity Core Storage (2,097,152 bytes)	11,200	302,000	586
7131	Shared Storage	153	3970	2
2365-2	Processor Storage (262,144 bytes)	9420	393,000	418
2365-13	Processor Storage (262,144 bytes)	9820	412,000	459
1315	Fifth Additional Wall Section	295	14,500	5
1316	Sixth Additional Wall Section	246	12,100	5
1317	Seventh Additional Wall Section	246	12,100	5
1318	Eighth Additional Wall Section	246	12,100	5
4901	Outside Right Memory Unit Location	NC	NC	NC
4902	Inside Right Memory Unit Location	NC	NC	NC
4903	Inside Left Memory Unit Location	NC	NC	NC
4904	Outside Left Memory Unit Location	NC	NC	NC
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2645	19
2150-1	Console (allows 1052-7 to act as stand-alone systems console)	525	24,100	16
5475	First Operator Control Panel (requires 9560 Remote Operator Control Panel Attachment)	35	1480	NC
5476	Second Operator Control Panel (requires 9560 & 5475)	35	1480	NC
2250-1	Display Unit	1080	52,200	160
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5475	First Operator Control Panel (requires 9560)	44	1970	NC
5476	Second Operator Control Panel (requires 5475 and 9560)	34	1530	NC
5855	Programmed Function Keyboard	147	7120	8
	System: 360/67			
	Processors			
2067-1	Processing Unit	18,050	703,000	578
2067-2	Processing Unit	18,300	712,000	599
	Processor Options			
2167-1	Configuration Unit (for systems with up to two 2067-2s, two 2365-12s, two 2846s, and 16 I/O control units)	1320	54,900	75
2167-2	Configuration Unit (for systems with up to two 2067-2s, three 2365-12s, two 2846s, and 16 I/O control units)	1320	54,900	75
2167-3	Configuration Unit (for systems with up to two 2067-2s, four 2365-12s, two 2846s, and 16 I/O control units)	1320	54,900	75
2167-4	Configuration Unit (for systems with up to two 2067-2s, eight 2365-12s, two 2846s, and 32 I/O control units)	1500	62,300	83
2846	Channel Controller (max of 2)	1980	76,700	95
1086	Additional Addressing I (reqrd on each 2846 in systems with 5 or more 2365-12s)	91	3790	2
1087	Additional Addressing II (reqrd on each 2846, in addition to 1086, in systems with 7 or eight 2365-12s)	91	3790	2
1102	Additional 2846 Attachment (reqrd on 2067-2 in a system with two 2846s)	147	5770	4
3274	Direct Control	265	8920	3
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
3800	Extended Direct Control (reqrd on each 2067-2 in a 2-processor system)	372	13,500	4
3862	Extended Dynamic Address Translation	3440	133,000	110
4434	Floating Storage Addressing (2067-1 only)	25	1080	NC
5495	Partition Sensing (reqrd on each 2067-2 in a 2-processor system)	89	3470	2
	Interconnection Features			
7119	709/7040/7044/7090/7094/7094 II Compatibility	637	23,900	21
7920	1052 Console Printer-Keyboard Adapter	239	10,400	9
6310	2nd Wall Section Attachment	637	25,300	12
2870	Multiplexer Channel	2230	105,000	98
1095	Address Prefixing Feature (reqrd on each 2870 in a 2-processor system)	116	4960	3
1861	Channel Indirect Data Addressing	204	9610	2
6990	First Selector Subchannel	408	17,700	16

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Interconnection Features (Contd.)			
6991	Second Selector Subchannel (requires 6990)	255	10,700	10
6992	Third Selector Subchannel (requires 6991)	255	10,700	10
6993	Fourth Selector Subchannel (requires 6992)	255	10,700	10
2860-1	Selector Channel (1 ch)	2140	99,800	56
2860-2	Selector Channel (2 ch)	3050	142,000	91
2860-3	Selector Channel (3 ch)	3970	184,000	127
1095	Address Prefixing Feature (reqrd on each selector channel in a 2-processor system)	40	1720	2
1850	Channel-to-Channel Adapter	229	9640	4
1861	Channel Indirect Data Addressing (for 2860-1)	153	7120	2
1862	Channel Indirect Data Addressing (for 2860-2)	306	14,200	3
1863	Channel Indirect Data Addressing (for 2860-3)	459	21,300	5
4597	High-Speed Direct-Access Storage Priority	15	688	2
	Processor Storage			
2365-2	Processor Storage for 2067-1 Processing Unit (262,144 bytes; max 4)	9420	393,000	418
3846	Expansion Feature	NC	NC	NC
7123	Seven-Bit Storage Protect	NC	NC	NC
8035	2067 Attachment	NC	NC	NC
2365-12	Processor Storage for 2067-2 Processing Unit (262,144 bytes; max 8)	9600	401,000	428
3846	Expansion Feature	NC	NC	NC
5518	Power Sequencing (reqrd in a 2-processor system)	NC	NC	NC
8036	2067 Switching Feature (reqrd on each 2365-12 in a 2-processor system)	102	4650	15
8088	2846 Switching Feature (reqrd on each 2365-12)	102	4650	15
8091	2846 Switching Feature (reqrd, in addition to 8088, on each 2365-12 in a system with two 2846s)	102	4650	15
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
2150-1	Console (allows 1052-7 to act as stand-alone systems console)	525	24,100	16
5475	First Operator Control Panel (requires 9560 Remote Operator Control Panel Attachment)	35	1455	NC
5476	Second Operator Control Panel (requires 9560 & 5475)	35	1455	NC
5485	First Operator Control Panel (for use on 360/67-2)	51	2110	NC
5486	Second Operator Control Panel (for use on 360/67-2; requires 5485)	51	2110	NC
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	System: 360/75			
	Processors			
2075-H	Processing Unit (262,144 bytes)	23,800	863,000	743
2075-I	Processing Unit (524,288 bytes)	23,850	865,000	743
2075-IH	Processing Unit (786,432 bytes)	24,450	887,000	776
2075-J	Processing Unit (1,048,576 bytes)	24,650	896,600	776
	Processor Options			
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
	Interconnection Features			
7920	1052 Console Printer-Keyboard Adapter	372	16,300	25
7921	Second 1052 Console Printer-Keyboard Adapter	239	10,400	20
2870	Multiplexer Channel	2230	105,000	98
1861	Channel Indirect Data Addressing	204	9610	2
6990	First Selector Subchannel	408	17,700	16
6991	Second Selector Subchannel (requires 6990)	255	10,700	10
6992	Third Selector Subchannel (requires 6991)	255	10,700	10
6993	Fourth Selector Subchannel (requires 6992)	255	10,700	10
2860-1	Selector Channel (1 ch)	2140	99,800	56
2860-2	Selector Channel (2 ch)	3050	142,000	91
2860-3	Selector Channel (3 ch)	3970	184,000	127
1850	Channel-to-Channel Adapter	229	9640	4
1861	Channel Indirect Data Addressing (for 2860-1)	153	7120	2
1862	Channel Indirect Data Addressing (for 2860-2)	306	14,200	3
1863	Channel Indirect Data Addressing (for 2860-3)	459	21,300	5
	Processor Storage			
2361-1	Large Capacity Core Storage (1,048,576 bytes)	6620	181,000	382
2361-2	Large Capacity Core Storage (2,097,152 bytes)	11,200	302,000	586
7131	Shared Storage	153	3970	2
2365-3	Processor Storage (262,144 bytes)	9420	393,000	418
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
2150-1	Console (allows 1052-7 to act as stand-alone systems console)	525	24,100	16
5475	First Operator Control Panel (requires 9560 Remote Operator Control Panel Attachment)	35	1480	NC
5476	Second Operator Control Panel (requires 9560 & 5475)	35	1480	NC
2250-1	Display Unit	1080	52,200	160
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
5855	Programmed Function Keyboard	147	7120	8
	System: 370/125			
	Processors			
3125-FE	Model 125 (with 98,304 bytes)	4870	236,200	295
3125-G	Model 125 (with 131,072 bytes)	5070	246,000	300

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Processors (Contd.)			
3125-GE	Model 125 (with 163,840 bytes)	5270	255,800	306
3125-GF	Model 125 (with 196,608 bytes)	5470	265,600	311
3125-H	Model 125 (with 262,144 bytes)	5870	285,200	321
	Processor Options			
—	Upgrade for 125 FE to 125 G	—	9800	—
	Upgrade for 125 FE to 125 GE		19,600	
	Upgrade for 125 FE to 125 GF		29,400	
	Upgrade for 125 FE to 125 H		49,000	
	Upgrade for 125 G to 125 GE		9800	
	Upgrade for 125 G to 125 GF		19,600	
	Upgrade for 125 G to 125 H		39,200	
	Upgrade for 125 GE to 125 GF		9800	
	Upgrade for 125 GE to 125 H		29,400	
	Upgrade for 125 GF to 125 H		19,600	
3898	External Signals	102	4940	1
3910	Floating Point (including extended precision)	NC	NC	NC
4101	4K Control Storage, First Increment	76	3720	2
4102	4K Control Storage, Second Increment	76	3720	2
4500	5425 Card Unit Power Supply	163	7900	11
4505	1403 Printer/4525 Card Unit Power Prerequisite	285	13,800	31
4674	2560-A1 Card Print Control	30	1470	2
4693	3525 Card Print Control	61	2950	3
	Interconnection Features			
4457	1401/1440/1460 Compatibility	NC	NC	NC
7520	360/20 Compatibility	NC	NC	NC
4662	Integrated 1403-2 Printer Attachment	10	510	1
4667	Integrated 1403-7 Printer Attachment	132	6420	10
4668	Integrated 1403-N1 Printer Attachment (requires 4662 and 4667)	5	255	1
4692	Integrated 5213-1 Console Printer Attachment	102	4940	3
8005	1052 Console Printer-Keyboard Compatibility	NC	NC	NC
4670	Integrated 2560-A1 Multi-Function Card Machine Attachment	142	6930	10
4680	Integrated 3504 Card Reader Attachment	66	3210	7
4685	Integrated 3525 Card Punch Attachment	81	3970	9
4695	Integrated 5425 Multi-Function Card Unit Attachment	142	6930	10
8040	2311 Model 1 Disc Compatibility	NC	NC	NC
4675	Integrated 3411 Magnetic Tape Adapter	102	4940	3
4640	Integrated Communications Adapter	209	10,100	22
1201	Asynch Line Group 1	40	1980	3
1202	Asynch Line Group 2	40	1980	3
1231	Asynch Line (medium speed; ALG 1)	40	1980	3
1232	Asynch Line (medium speed; ALG 2)	40	1980	3
1241	Asynch Line Pair (low speed; ALG 1)	56	2700	4
1242	Asynch Line Pair (low speed; ALG 2)	56	2700	4
	Auto Call Adapter			
1291	Line Position (A1)	20	969	2
1292	Line Position (A2)	20	969	2
1293	Line Position (A5)	20	969	2
1294	Line Position (A6)	20	969	2
1295	Line Position (S1)	20	969	2
1296	Line Position (S2)	20	969	2
4743	Leased Line Adapter	14	499	3
	1200 BPS Line Adapter			
4781	Nonswitched	15	535	3
4782	Switched (with Auto-answer)	20	714	3
4791	Switched (with Auto-answer and Autocall)	66	2320	10
4792	Line Adapter Base 2	25	1220	2
4793	Line Adapter Base 3	25	1220	2
7100	Synch Line Group	40	1980	3
7121	Synch Line (high speed)	102	4940	7
7131	Synch Line (low load; 1st line)	102	4940	7
7132	Synch Line (low load; 2nd line)	102	4940	7
	Synch Line (medium speed with clock)			
7141	Line Position (S1)	56	2700	4
7142	Line Position (S2)	56	2700	4
7143	Line Position (S3)	56	2700	4
7144	Line Position (S4)	56	2700	4
	Synch Line (medium speed)			
7151	Line Position (S1)	45	2240	3
7152	Line Position (S2)	45	2240	3
7153	Line Position (S3)	45	2240	3
7154	Line Position (S4)	45	2240	3
7881	Telegraph Line Pair (ALG1)	56	2700	8
7882	Telegraph Line Pair (ALG2)	56	2700	8
5248	Multiplexer Channel	204	9890	20
	Consoles			
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
	System: 370/135			
	Processors			
3135-FE	Processing Unit (98,304 bytes)	5770	286,800	469
3135-GD	Processing Unit (147,546 bytes)	6690	331,700	499
3135-HG	Processing Unit (196,608 bytes)	10,100	484,400	724
3135-DH	Processing Unit (245,760 bytes)	8530	421,500	561
3135-H	Processing Unit (262,144 bytes)	8840	423,200	622
3135-HF	Processing Unit (327,080 bytes)	9480	453,800	673
3135-HG	Processing Unit (393,216 bytes)	10,100	484,400	724
3135-I	Processing Unit (524,288 bytes)	11,340	545,600	826
	Processor Options			
	Upgrade for 135 FE to 135 GD		44,900	
	Upgrade for 135 FE to 135 GF		89,800	
	Upgrade for 135 FE to 135 DH		134,700	
	Upgrade for 135 FE to 135 H		136,400	
	Upgrade for 135 FE to 135 HF		167,000	
	Upgrade for 135 FE to 135 HG		197,600	
	Upgrade for 135 FE to 135 I		258,800	
	Upgrade for 135 GD to 135 GF		44,900	
	Upgrade for 135 GD to 135 DH		89,800	
	Upgrade for 135 GD to 135 H		91,500	
	Upgrade for 135 GD to 135 HF		122,100	
	Upgrade for 135 GD to 135 HG		152,700	
	Upgrade for 135 GD to 135 I		213,900	
	Upgrade for 135 GF to 135 DH		44,900	
	Upgrade for 135 GF to 135 H		46,600	
	Upgrade for 135 GF to 135 HF		77,200	
	Upgrade for 135 GF to 135 HG		107,800	
	Upgrade for 135 GF to 135 I		169,000	
	Upgrade for 135 DH to 135 H		46,600	
	Upgrade for 135 DH to 135 HF		77,200	

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Processor Options (Contd.)			
	Upgrade for 135 DH to 135 HG		107,800	
	Upgrade for 135 DH to 135 I		169,000	
	Upgrade for 135 H to 135 HF		30,600	
	Upgrade for 135 H to 135 HG		61,200	
	Upgrade for 135 H to 135 I		122,400	
	Upgrade for 135 HF to 135 HG		30,600	
	Upgrade for 135 HF to 135 I		91,800	
	Upgrade for 135 HG to 135 I		61,200	
2001	Clock Comparator & CPU Timer	NC	NC	NC
3274	Direct Control	120	5940	1
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
3840	Extended Precision Floating Point	27	1350	1
3900	Floating Point (regular precision)	NC	NC	NC
4650	Integrated File Adapter (for 2319)	520	25,800	12
4655	Integrated File Adapter (for 3330)	714	35,300	3
7861	12K Control Storage, First Increment	229	11,200	20
7862	12K Control Storage, Second Increment	229	11,200	20
	Interconnection Features			
1290	Autocall	51	2490	1
4457	1401/1440/1460 Compatibility	NC	NC	NC
7520	360/20 Compatibility	NC	NC	NC
4662	1403-2 Printer Adapter	395	19,500	21
4667	1403-7 Printer Adapter	395	19,500	21
4668	1403-N1 Printer Adapter	395	19,500	21
7844	3210-1 Console Printer-Keyboard Adapter	110	5440	4
7855	3215 Console Printer-Keyboard Adapter	186	9220	5
8637	Universal Character Set Adapter	37	1860	7
3905	64 Additional Byte Multiplexer Subchannels	NC	NC	NC
3906	128 Additional Byte Multiplexer Subchannels	NC	NC	NC
3907	256 Additional Byte Multiplexer Subchannels	NC	NC	NC
6981	First Selector Channel	192	9520	4
6982	Second Selector Channel (6981 reqrd)	165	8160	4
1421	Block Multiplexer Channel	NC	NC	NC
1431	Block Multiplexer Shared Subchannel	NC	NC	NC
1501	Channel Priority (requires 4650 Integrated File Adapter; 1st and 2nd selector channels, 6981 and 6982)	NC	NC	NC
4640	Integrated Communications Adapter	220	10,800	22
4722	Second Line	43	2170	5
4723	Third Line	87	4350	9
4724	Fourth Line	43	2170	5
4725	Fifth Line	131	6490	15
4726	Sixth Line	43	2170	5
4727	Seventh Line	43	2170	5
4728	Eighth Line	43	2170	5
	Consoles			
2250-1	Display Unit	1080	52,200	160
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
3210-1	Console Printer-Keyboard (88-char set; 125 PP; print speed 15.5 cps)	178	5710	86
3215-1	Console Printer-Keyboard (126 PP; print speed 85 cps; requires 3215 Adapter)	204	8160	56
	System: 370/145			
	Processors			
3145-GE	Processing Unit (164 kb)	12,380	595,100	1090
3145-GF	Processing Unit (213 kb)	13,300	639,100	1120
3145-H	Processing Unit (262 kb)	14,220	683,100	1150
3145-HG	Processing Unit (393 kb; 3345 and 3406 reqrd)	14,240	684,100	1150
3145-I	Processing Unit (524 kb; 3445 and 3406 reqrd)	14,260	685,100	1150
3145-H2	Processing Unit (256 kb)	13,960	670,900	1110
3145-HG2	Processing Unit (384 kb)	15,660	751,600	1210
3145-I2	Processing Unit (512 kb)	16,900	812,800	1320
3145-IH2	Processing Unit (768 kb)	19,380	935,200	1520
3145-J2	Processing Unit (1024 kb)	21,860	1,057,600	1720
	Processor Options			
	Upgrade 145 GE to 145 GFD		44,000	
	Upgrade 145 GE to 145 H		88,000	
	Upgrade 145 GE to 145 HG		89,000	
	Upgrade 145 GE to 145 I		90,000	
	Upgrade 145 GE to 145 H2		101,200	
	Upgrade 145 GE to 145 HG2		181,900	
	Upgrade 145 GE to 145 I2		243,100	
	Upgrade 145 GE to 145 IH2		365,500	
	Upgrade 145 GE to 145 J2		487,900	
	Upgrade 145 GFD to 145 H		44,000	
	Upgrade 145 GFD to 145 HG		45,000	
	Upgrade 145 GFD to 145 I		46,000	
	Upgrade 145 GFD to 145 H2		57,200	
	Upgrade 145 GFD to 145 HG2		137,900	
	Upgrade 145 GFD to 145 I2		199,100	
	Upgrade 145 GFD to 145 IH2		321,500	
	Upgrade 145 GFD to 145 J2		443,900	
	Upgrade 145 H to 145 HG		1000	
	Upgrade 145 H to 145 I		2000	
	Upgrade 145 H to 145 H2		13,200	
	Upgrade 145 H to 145 HG2		93,900	
	Upgrade 145 H to 145 I2		155,100	
	Upgrade 145 H to 145 IH2		277,500	
	Upgrade 145 H to 145 J2		399,900	
	Upgrade 145 HG to 145 I		1000	
	Upgrade 145 HG to 145 HG2		RPQ	
	Upgrade 145 HG to 145 I2		156,400	
	Upgrade 145 HG to 145 IH2		278,800	
	Upgrade 145 HG to 145 J2		401,200	
	Upgrade 145 I to 145 I2		RPQ	
	Upgrade 145 I to 145 IH2		278,800	
	Upgrade 145 I to 145 J2		401,200	
	Upgrade 145 H2 to 145 HG2		80,700	
	Upgrade 145 H2 to 145 I2		141,900	
	Upgrade 145 H2 to 145 IH2		264,300	
	Upgrade 145 H2 to 145 J2		386,700	

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Processor Options (Contd.)			
	Upgrade 145 HG2 to 145 I2		61,200	
	Upgrade 145 HG2 to 145 IH2		183,600	
	Upgrade 145 HG2 to 145 J2		306,000	
	Upgrade 145 I2 to 145 IH2		122,400	
	Upgrade 145 I2 to 145 J2		244,800	
	Upgrade 145 IH2 to 145 J2		122,400	
2001	Clock Comparator & CPU Timer	102	4890	3
3046	Power Unit	330	15,800	34
3047	Power Unit	350	16,800	35
3274	Direct Control	131	6310	4
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
3910	Floating Point (including extended precision)	NC	NC	NC
4650	Integrated File Adapter	601	28,800	43
4660	Integrated Storage Control	1170	56,300	86
8100	Two Channel Switch	204	9900	10
8810	Word Buffer	220	10,500	6
	Interconnection Features			
4457	1401/1440/1460 Compatibility	NC	NC	NC
4458	1401/1440/1460/1410/7010 Compatibility	NC	NC	NC
7844	3210-1 Console Printer-Keyboard Adapter	137	6600	4
7845	3210-2 Console Printer-Keyboard Adapter	110	5280	6
7855	3215 Console Printer-Keyboard Adapter	192	9250	6
4951	32 Additional Multiplexer Subchannels	NC	NC	NC
4952	64 Additional Multiplexer Subchannels	NC	NC	NC
4953	128 Additional Multiplexer Subchannels	NC	NC	NC
4954	256 Additional Multiplexer Subchannels	NC	NC	NC
6982	Second Selector Channel	247	11,800	16
6983	Third Selector Channel (requires 4650 Integrated File Adapter or Second Selector Channel, 6982)	247	11,800	16
6984	Fourth Selector Channel (requires 6983)	247	11,800	16
1421	Block Multiplexer Channel (for std selector channel)	NC	NC	NC
1422	Block Multiplexer Channel (for 6982)	NC	NC	NC
1423	Block Multiplexer Channel (for 6983)	NC	NC	NC
1424	Block Multiplexer Channel (for 6984)	NC	NC	NC
1850	Channel-to-Channel Adapter	291	14,000	12
	Processor Storage			
3345-001	Main Storage Frame (393 kb)	2930	141,000	91
3345-002	Main Storage Frame (524 kb)	5360	257,000	168
3345-003	Main Storage Frame (with integrated control for 3330 Disk Storage; 262 kb)	1270	61,200	86
3345-004	Main Storage Frame (with integrated control for 3330 Disk Storage; 393 kb)	4110	197,000	178
3345-005	Main Storage Frame (with integrated control for 3330 Disk Storage; 524 kb)	6530	313,000	255
8100	Two Channel Switch	204	9900	10
—	Upgrade from 001 to 002	—	116,000	—
—	Upgrade from 001 to 004	—	56,000	—
—	Upgrade from 001 to 005	—	172,000	—
—	Upgrade from 002 to 005	—	56,000	—
—	Upgrade from 004 to 005	—	116,000	—
	Consoles			
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
3210-1	Console Printer-Keyboard (88-char set; 125 PP; print speed 15.5 cps)	178	5710	86
3210-2	Console Printer-Keyboard (88-char set; 125 PP; print speed 15.5 cps)	183	5870	91
3215-1	Console Printer-Keyboard (126 PP; print speed 85 cps; requires 3215 Adapter)	204	8160	56
	System: 370/155			
	Processors			
3155-H	Processor (1)	20,370	978,200	1760
3155-HG	Processor (1)	20,400	979,400	1760
3155-I	Processor (1)	20,430	980,600	1760
3155-IH	Processor (1)	20,920	1,004,500	1770
3155-J	Processor (1)	20,980	1,006,900	1770
3155-JI	Processor (1)	22,700	1,091,700	1820
3155-K	Processor (1)	23,250	1,117,700	1830
	Processor Options			
	Upgrade 155 H to 155 HG		1200	
	Upgrade 155 H to 155 I		2400	
	Upgrade 155 H to 155 IH		26,300	
	Upgrade 155 H to 155 J		28,700	
	Upgrade 155 H to 155 JI		113,200	
	Upgrade 155 H to 155 K		139,500	
	Upgrade 155 HG to 155 I		1200	
	Upgrade 155 HG to 155 IH		25,100	
	Upgrade 155 HG to 155 J		27,500	
	Upgrade 155 HG to 155 JI		112,000	
	Upgrade 155 HG to 155 K		138,300	
	Upgrade 155 I to 155 IH		23,900	
	Upgrade 155 I to 155 J		26,300	
	Upgrade 155 I to 155 JI		110,800	
	Upgrade 155 I to 155 K		137,100	
	Upgrade 155 IH to 155 J		2400	
	Upgrade 155 IH to 155 JI		86,900	
	Upgrade 155 IH to 155 K		113,200	
	Upgrade 155 J to 155 JI		84,500	
	Upgrade 155 J to 155 K		110,800	
	Upgrade 155 JI to 155 K		26,300	
3274	Direct Control	110	3300	4
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
3625	Emergency Power-Off Panel Expansion	NC	NC	NC
3700	Extended Precision Floating Point	192	9250	17
S20470	Dynamic Address Translation Conversion (to 155 II)	—	204,000	644
	Interconnection Features			
3950	1401/1440/1460, 1410/7010 Compatibility	440	17,600	17
5450	OS/DOS Compatibility	275	11,000	17
7117	7070/7074 Compatibility	989	47,500	61
7844	3210-1 Console Printer-Keyboard Adapter	165	7930	8
7845	3210-2 Console Printer-Keyboard Adapter	186	8960	8
7855	3215 Console Printer-Keyboard Adapter	220	10,500	8
1433	Block Multiplexer Channel-Third	413	14,400	12
1434	Block Multiplexer Channel-Fourth (not with Second Byte Multiplexer Channel)	385	13,400	10
1435	Block Multiplexer Channel-Fifth	192	6740	5
4990	Second Byte Multiplexer Channel (requires 1433)	413	14,400	12
1850	Channel-to-Channel Adapter	385	13,400	8

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Processor Storage			
3360-1	Processor Storage (262 kb)	3060	134,000	295
3360-2	Processor Storage (393 kb)	4590	201,000	443
3360-3	Processor Storage (524 kb)	6120	269,000	591
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
2150-1	Console (allows 1052-7 to act as stand-alone systems console)	525	24,100	16
2250-1	Display Unit	1080	52,200	160
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
1002	Absolute Vectors and Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used with 1498)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785 Light Pen)	321	15,400	14
4785	Light Pen	98	4740	11
5855	Programmed Function Keyboard	147	7120	8
3210-1	Console Printer-Keyboard (88-char set; 125 PP; print speed 15.5 cps)	178	5710	86
3210-2	Console Printer-Keyboard (88-char set; 125 PP; print speed 15.5 cps)	183	5870	91
3215-1	Console Printer-Keyboard (126 PP; print speed 85 cps; requires 3215 Adapter)	204	8160	56
	System: 370/158			
	Processors			
3158-I	Processing Unit (524 kb)	33,950	1,647,500	1970
3158-J	Processing Unit (1 mb)	36,600	1,764,600	2040
3158-JI	Processing Unit (1.5 mb)	39,250	1,881,700	2100
3158-K	Processing Unit (2 mb)	41,900	1,998,800	2160
3158-KJ	Processing Unit (3145K bytes)	48,200	2,282,900	2440
3158-L	Processing Unit (4194K bytes)	53,500	2,517,100	2570
3158-MP1	Processing Unit (524 kc)	37,400	1,817,400	2070
3158-MP2	Processing Unit (1 mb)	40,050	1,934,500	2130
3158-MP3	Processing Unit (1.5 mb)	42,700	2,051,600	2190
3158-MP4	Processing Unit (2 mb)	45,350	2,168,700	2250
3158-MP5	Processing Unit (3145K bytes)	51,650	2,452,800	2530
3158-MP6	Processing Unit (4194K bytes)	56,950	2,687,000	2650
	Processor Options			
3274	Direct Control	110	3300	4
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
3625	Emergency Power-Off Panel Expansion	NC	NC	NC
3700	Extended Precision Floating Point	NC	NC	NC
4650	Integrated Storage Control (ISC)	2240	108,000	219
7905	Two Channel Switch (for Integrated Storage Control)	408	19,800	21
	Interconnection Features			
3950	1401/1440/1460, 1410/7010 Compatibility	NC	NC	NC
5450	OS/DOS Compatibility	NC	NC	NC
6148	Remote Switch Attachment	NC	NC	NC
7117	7070/7074 Compatibility	NC	NC	NC
7840	3213 Printer Attachment	102	4940	1
1433	Block Multiplexer Channel-Third	413	14,400	12
1434	Block Multiplexer Channel-Fourth (not with Second Byte Multiplexer Channel)	385	13,400	10
1435	Block Multiplexer Channel-Fifth	192	6740	5
4990	Second Byte Multiplexer Channel (requires 1433)	413	14,400	12
1850	Channel-to-Channel Adapter	385	13,400	8
	Consoles			
1052-7	Printer-Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
2150-1	Console (allows 1052-7 to act as stand-alone systems console)	525	24,100	16
	System: 370/165			
	Processors			
3165-I	Processor (1)	36,350	1,744,900	3020
3165-J	Processor (1)	36,450	1,750,000	3030
3165-JI	Processor (1)	36,900	1,771,200	3070
3165-K	Processor (1)	37,200	1,786,800	3120
3065-KJ	Processor (1)	38,300	1,839,600	3220
	Processor Options			
	Upgrade 165 I to 165 J		5100	
	Upgrade 165 I to 165 JI		26,300	
	Upgrade 165 I to 165 K		41,900	
	Upgrade 165 I to 165 KJ		94,700	
	Upgrade 165 J to 165 JI		21,200	
	Upgrade 165 J to 165 K		36,800	
	Upgrade 165 J to 165 KJ		89,600	
	Upgrade 165 JI to 165 K		15,600	
	Upgrade 165 JI to 165 KJ		68,400	
	Upgrade 165 K to 165 KJ		52,800	
1432	Buffer Expansion (16K)	1550	74,200	56
3067-1	Power & Coolant Distribution Unit	2520	121,000	112
3621	Emergency Power-Off Control (2 switches)	NC	NC	NC
3622	Emergency Power-Off Control (12 switches)	NC	NC	NC
3625	Emergency Power-Off Panel Expansion	NC	NC	NC
3700	Extended-Precision Floating Point	NC	NC	NC
4520	High-Speed Multiply	2710	130,000	112
S20471	Dynamic Address Translation Conversion (to 165 II; total price for 3 separate frames without channels)	—	398,920	1020
	Interconnection Features			
7117	7070/7074 Compatibility	2820	135,000	168
7118	7080 Compatibility	2820	135,000	168
7119	709/7040/7044/7090/7094/7094 II Compatibility	2820	135,000	168
2870	Multiplexer Channel	2230	105,000	98
1861	Channel Indirect Data Addressing	204	9610	2
6990	First Selector Subchannel	408	17,700	16
6991	Second Selector Subchannel (requires 6990)	255	10,700	10
6992	Third Selector Subchannel (requires 6991)	255	10,700	10
6993	Fourth Selector Subchannel (requires 6992)	255	10,700	10
2880-1	Block Multiplexer Channel (1 ch)	3300	155,000	346
2880-2	Block Multiplexer Channel (2 ch)	4730	218,080	459
1861	Channel Indirect Data Addressing (for 2880-1)	153	7190	1
1862	Channel Indirect Data Addressing (for 2880-2)	306	14,300	2
7850	Two-Byte Interface (for 2880-1 or 1st ch on 2880-2)	385	18,100	6
7851	Two-Byte Interface (for 2nd ch on 2880-2)	385	18,100	6
2860-1	Selector Channel (1 ch)	2140	99,800	56
2860-2	Selector Channel (2 ch)	3050	142,000	91
2860-3	Selector Channel (3 ch)	3970	184,000	127
1850	Channel-to-Channel Adapter	229	9640	4
1861	Channel Indirect Data Addressing (for 2860-1)	153	7120	2
1862	Channel Indirect Data Addressing (for 2860-2)	306	14,200	3
1863	Channel Indirect Data Addressing (for 2860-3)	459	21,300	5
3850	Extended Channels	494	23,700	71
4597	High-Speed Direct Access Storage Priority	15	688	2
	Processor Storage			
3360-4	Processor Storage (262 kb)	3060	134,000	295
3360-5	Processor Storage (524 kb)	6120	269,000	591

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR WORKING STORAGE (CONTD.)			
	Consoles			
1052-7	Printer/Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
2150-1	Console (to allow 1052-7 to act as stand-alone systems console)	525	24,100	16
5475	First Operator Control Panel (requires 9560 Remote Operator Control Panel Attachment)	35	1480	NC
5476	Second Operator Control Panel (requires 9560 and 5475)	35	1480	NC
2250-1	Display Unit	1080	52,200	160
1002	Absolute Vectors & Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes); cannot be used if 1498 is installed)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785)	321	15,400	14
4785	Light Pen	98	4740	11
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
5855	Programmed Function Keyboard	147	7120	8
3066-1	System Console	3410	163,000	469
4520	High-Speed Multiply	10	525	NC
7117	7070/7074 Compatibility	5	234	NC
7118	7080 Compatibility	5	234	NC
7119	709/7090/7094/7094 II Compatibility	5	234	NC
	System: 370/168			
	Processors			
3168-J	Processing Unit (1 mb)	54,850	2,664,100	4310
3168-K	Processing Unit (2 mb)	60,150	2,898,300	4430
3168-KJ	Processing Unit (3 mb)	65,650	3,142,700	4720
3168-L	Processing Unit (4 mb)	70,950	3,376,900	4840
3168-LJ	Processing Unit (5242K bytes)	77,300	3,661,000	5100
3168-LK	Processing Unit (6291K bytes)	82,600	3,895,200	5250
3168-LKJ	Processing Unit (7340K bytes)	87,900	4,129,400	5370
3168-M	Processing Unit (8388K bytes)	93,200	4,363,600	5490
3168-MP1	Processing Unit (1 mb)	56,500	2,745,000	4320
3168-MP2	Processing Unit (2 mb)	61,800	2,979,200	4440
3168-MP3	Processing Unit (3 mb)	67,300	3,223,600	4730
3168-MP4	Processing Unit (4 mb)	72,600	3,457,800	4850
3168-MP5	Processing Unit (5242K bytes)	78,950	3,741,900	5140
3168-MP6	Processing Unit (6291K bytes)	84,250	3,976,100	5260
3168-MP7	Processing Unit (7340K bytes)	89,550	4,210,300	5380
3168-MP8	Processing Unit (8388K bytes)	94,850	4,444,500	5500
	Processor Options			
1435	Buffer Expansion	1550	74,200	56
3623	Emergency Power-Off Control (2 switches)	NC	NC	NC
3624	Emergency Power-Off Control (12 switches)	NC	NC	NC
4525	High-Speed Multiply	2710	130,000	112
4650	Integrated Storage Control (ISC)	2240	108,000	219
7905	Two-Channel Switch for ISC	408	19,800	21
	Interconnection Features			
7127	7070/7074 Compatibility	2820	135,000	168
7128	7080 Compatibility	2820	135,000	168
7129	709/7040/7044/7090/7094/7094 II Compatibility	2820	135,000	168
2870	Multiplexer Channel	2230	105,000	98
1861	Channel Indirect Data Addressing	204	9610	2
6990	First Selector Subchannel	408	17,700	16
6991	Second Selector Subchannel (requires 6990)	255	10,700	10
6992	Third Selector Subchannel (requires 6991)	255	10,700	10
6993	Fourth Selector Subchannel (requires 6992)	255	10,700	10
2880-1	Block Multiplexer Channel (1 ch)	3300	155,000	346
2880-2	Block Multiplexer Channel (2 ch)	4730	222,000	459
1861	Channel Indirect Data Addressing (for 2880-1)	153	7190	1
1862	Channel Indirect Data Addressing (for 2880-2)	306	14,300	2
7850	Two-Byte Interface (for 2880-1 or 1st ch on 2880-2)	385	18,100	6
7851	Two-Byte Interface (for 2nd ch on 2880-2)	385	18,100	6
2860-1	Selector Channel (1 ch)	2140	99,800	56
2860-2	Selector Channel (2 ch)	3050	142,000	91
2860-3	Selector Channel (3 ch)	3970	184,000	127
1850	Channel-to-Channel Adapter	229	9640	4
1861	Channel Indirect Data Addressing (for 2860-1)	153	7120	2
1862	Channel Indirect Data Addressing (for 2860-2)	306	14,200	3
1863	Channel Indirect Data Addressing (for 2860-3)	459	21,300	5
3855	Extended Channels	494	23,700	71
	Consoles			
1052-7	Printer/Keyboard (interchangeable 88-char print element; 125 PP; print speed 15.5 cps)	64	2690	19
2150-1	Console (to allow 1052-7 to act as stand-alone systems console)	525	24,100	16
5475	First Operator Control Panel (requires 9560 Remote Operator Control Panel Attachment)	35	1480	NC
5476	Second Operator Control Panel (requires 9560 and 5475)	35	1480	NC
2250-1	Display Unit	1080	52,200	160
1002	Absolute Vectors & Control	397	15,800	11
1245	Alphanumeric Keyboard	74	3550	4
1498	Buffer (4096 bytes)	346	16,600	7
1499	Buffer (8192 bytes; cannot be used if 1498 is installed)	494	23,700	10
1880	Character Generator	372	17,800	16
4485	Graphic Design (cannot be installed with 4785)	321	15,400	14
4785	Light Pen	98	4740	11
5475	First Operator Control Panel	44	1970	NC
5476	Second Operator Control Panel (requires 5475)	34	1530	NC
5855	Programmed Function Keyboard	147	7120	8
3066-2	System Console	3410	163,000	469
4525	High-Speed Multiply	10	525	NC
7127	7070/7074 Compatibility	5	234	NC
7128	7080 Compatibility	5	234	NC
7129	709/7090/7094/7094 II Compatibility	5	234	NC

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	MASS STORAGE											
	Disc/Drum Storage(2)											
2301	Drum Storage	2220	80,700	367				X	X			J
2820	Storage Control (for 2301 Drum Storage)	2340	91,600	61				X	X			J
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65 MP)	NC	NC	NC				X				
7516	Storage Priority	15	581	2				X	X			J
8170	Two-Channel Switch (on 67-2 or 65 MP, requires 6148)	101	3880	2				X	X			J
2303	Drum Storage	2550	89,700	357			X	X	X		X	X
2311-1	Disc Storage	580	21,390	56	X	X	X	X	X		X	X
1316	Disc Pack (for 2311-1 Disc Storage)	15	490	TM	X	X	X	X	X		X	X
2321	Data Cell Drive	2850	111,000	484	A	X	X	X	X		X	X
2841	Storage Control (for 2303 Drum Storage; 2311-1 Disc Storage; and 2321 Data Cell Drive)	535	22,200	57	A	X	X	X	X		X	X
1024	Additional Storage (not used with Two-Channel Switch)	203	6520	1	A	X	X	X	X		X	X
4385	File Scan (not used on 2303 Drum Storage)	35	1140	1	A	X	X	X	X		X	X
6118	Record Overflow	10	346	1	A	X	X	X	X		X	X
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65 MP)	NC	NC	NC				X				
8077	2303 Attachment	407	15,400	7			X	X	X		X	X
8079	2321 Attachment	177	5710	2	A	X	X	X	X		X	X
8100	Two-Channel Switch (on 67-2 or 65 MP, requires 6148)	101	3460	4	A	X	X	X	X		X	X
2314-A1	Disc Storage	1500	57,900	61		X	X	X	X		X	X
2314-B1	Disc Storage	1500	57,900	61		X	X	X	X		X	X
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65 MP)	NC	NC	NC				X				
7949	2844 Auxiliary Storage Control Attachment (for 2314-A1 only)	NC	NC	NC		X	X	X	X		X	X
8170	Two-Channel Switch (on 67-2 or 65 MP, requires 6148)	142	4850	3		X	X	X	X		X	X
2312-A1	Disc Storage	544	20,800	76		X	X	X	X		X	X
2313-A1	Disc Storage	1770	68,300	244		X	X	X	X		X	X
2318-A1	Disc Storage	937	36,000	137		X	X	X	X		X	X
2319-A1	Disc Storage Facility	1019	39,000	214							X	
2319-A2	Disc Storage Facility	1019	39,000	214							H	
2319-A3	Disc Storage Facility	1070	39,200	224							G	
2319-B1	Disc Storage Facility	1019	39,000	214		X	X	X	X		X	X
2319-B2	Disc Storage Facility	1019	39,000	214		X	X	X	X		X	X
2316	Disc Pack	20	525	TM		X	X	X	X		X	X
2844	Auxiliary Storage Control	2700	103,000	43		X	X	X	X		X	X
6150	Remote Switch Attachment (required on 360/67-2 or 65 MP)	NC	NC	NC				X				
8171	Two Channel Switch (on 67-2 or 65 MP, requires 6150)	142	4850	3		X	X	X	X		X	X
3330-1	Disc Storage(2, 3)	1320	52,900	173						X	X	X
3330-2	Disc Storage(3)	784	31,600	102						X	X	X
3330-11	Disc Storage(2, 3)	1880	75,400	173							X	X
3333-001	Disc Storage and Control(3)	1647	66,300	204						X	X	X
3333-11	Disc Storage and Control(3)	2207	88,700	204							X	X
3336-1	Disc Pack	—	1000	—						X	X	X
3336-11	Disc Pack										X	X
8150	String Switch	200	8000	10							X	X
3830-1	Storage Control(2)	2440	97,700	147							X	X
3830-2	Storage Control(2, 3)	2060	82,600	117							X	X
8170	Two-Channel Switch(2, 3)	203	8140	10							X	X
8171	Additional Two-Channel Switch (8170 required)(2, 3)	203	8140	10							X	X
	Fixed Head Storage(2)											
2305-1	Fixed Head Storage	4990	199,000	504								J
2835-1	Storage Control	3060	122,000	453								J
8170	Two-Channel Switch	203	8140	10								J
2305-2	Fixed Head Storage	3970	158,000	479							H	I
2835-2	Storage Control	2550	101,000	387							H	I
8171	Two-Channel Switch	203	8140	10							H	I
	INPUT/OUTPUT											
	Magnetic Tape(2)											
2401-1	Magnetic Tape Unit (30 kb/sec; 800 bpi)	341	13,100	67	X	X	X	X	X		X	X
2401-2	Magnetic Tape Unit (60 kb/sec; 800 bpi)	494	19,000	76	X	X	X	X	X		X	X
2401-3	Magnetic Tape Unit (90 kb/sec; 800 bpi)	800	30,800	93	A	X	X	X	X		X	X
2401-4	Magnetic Tape Unit (60 kb/sec; 1600 bpi)	392	15,000	80	X	X	X	X	X		X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Magnetic Tape (Contd.)											
2401-5	Magnetic Tape Unit (120 kb/sec; 1600 bpi)	545	21,000	89	A	X	X	X	X		X	X
2401-6	Magnetic Tape Unit (180 kb/sec; 1600 bpi)	851	32,800	107		X	X	X	X		X	X
2401-8	Magnetic Tape Unit (15/41.7/60 kb/sec; 200/556/800 bpi)	407	13,800	92	X	X	X	X	X		X	X
3471	Dual Density (800-1600 bpi)	25	1000	2	X	X	X	X	X		X	X
5121	Mode Compatibility	10	387	NC	X	X	X	X	X		X	X
5519	Power Window	280S	280	NC	X	X	X	X	X		X	X
7160	Simultaneous Read While Write	10	387	NC	X	X	X	X	X		X	X
2420-5	Magnetic Tape Unit (160 kb/sec; 1600 bpi)	576	25,300	112		X	X	X	X		X	X
2420-7	Magnetic Tape Unit (320 kb/sec; 1600 bpi)	1039	45,900	122			D	X	X		X	X
2803-1	Tape Control (800 bpi)	662	26,500	21	X	X	X	X	X		X	X
2803-2	Tape Control (800 and/or 1600 bpi)	815	32,700	26	X	X	X	X	X		X	X
2803-3	Tape Control (200/556/800 bpi; 2401-8 only)	458	15,600	31	X	X	X	X	X		X	X
3228	Data Conversion	45	1760	1	X	X	X	X	X		X	X
5320	9-Track (800 bpi NRZI) Compatibility (2803-2 only)	233	9010	29	X	X	X	X	X		X	X
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65 MP; 2803-1 only)	NC	NC	NC				X				
7125	7-Track Compatibility (2803-1 only)	50	1950	2	X	X	X	X	X		X	X
7127	7-Track Compatibility (2803-2 only)	177	6850	20	X	X	X	X	X		X	X
7135	7 and 9-Track (800 bpi NRZI) Compatibility (2803-2 only)	382	14,600	48	X	X	X	X	X		X	X
7185	16 Drive Addressing	25	1000	1	X	X	X	X	X		X	X
7900	2420 Models 5/7 Attachment (2803-2 only)	346	13,800	10		X	X	X	X		X	X
8100	Two Channel Switch (requires 6148 Remote Switch Attachment on 360/67-2 or 65MP; 2803-1 only)	101	3420	4				X				
2804-1	Tape Control (800 bpi)	948	38,000	36	A	X	X	X	X		X	X
2804-2	Tape Control (800 and/or 1600 bpi)	1100	44,200	41	A	X	X	X	X		X	X
2804-3	Tape Control (200/556/800 bpi; 2401-8 only)	637	21,600	46	A	X	X	X	X		X	X
3236	Data Conversion	71	2790	2	A	X	X	X	X		X	X
5321	9-Track (800 bpi NRZI) Compatibility (2804-2 only)	283	10,900	23	A	X	X	X	X		X	X
7126	7-Track Compatibility (2804-1 only)	76	2970	2	A	X	X	X	X		X	X
7128	7-Track Compatibility (2804-2 only)	203	7830	22	A	X	X	X	X		X	X
7136	7 and 9-Track (800 bpi NRZI) Compatibility (2804-2 only)	458	17,600	44	A	X	X	X	X		X	X
2415-1	Magnetic Tape Unit and Control (2 drives; 15 kb/sec; 800 bpi)	764	29,900	110	X	X	X	X	X		X	I
2415-2	Magnetic Tape Unit and Control (4 drives; 15 kb/sec; 800 bpi)	1220	47,800	197	X	X	X	X	X		X	I
2415-3	Magnetic Tape Unit and Control (6 drives; 15 kb/sec; 800 bpi)	1680	65,700	285	X	X	X	X	X		X	I
2415-4	Magnetic Tape Unit and Control (2 drives; 30 kb/sec; 1600 bpi)	923	36,300	126	X	X	X	X	X		X	I
2415-5	Magnetic Tape Unit and Control (4 drives; 30 kb/sec; 1600 bpi)	1480	58,300	225	X	X	X	X	X		X	I
2415-6	Magnetic Tape Unit and Control (6 drives; 30 kb/sec; 1600 bpi)	2040	80,300	324	X	X	X	X	X		X	I
3228	Data Conversion	45	1760	1	X	X	X	X	X		X	I
5320	9-Track (800 bpi NRZI) Compatibility (2415-4, 5, 6 only)	137	5290	10	X	X	X	X	X		X	I
7125	7-Track Compatibility (2415-1, 2, 3 only)	50	1950	2	X	X	X	X	X		X	I
7127	7-Track Compatibility (2415-4, 5, 6 only)	96	3710	4	X	X	X	X	X		X	I
7135	7 and 9-Track (800 bpi NRZI) Compatibility (2415-4, 5, 6 only)	157	6060	14	X	X	X	X	X		X	I
2816	Switching Unit	561	21,600	4	A	X	X	X	X		X	X
1050	Additional Drive for Basic Switch	152	5860	3	A	X	X	X	X		X	X
1051	Additional Drives for 3rd Control	61	2360	1	A	X	X	X	X		X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Magnetic Tape (Contd.)											
1052	Additional Drives for 4th Control	61	2360	1	A	X	X	X	X		X	X
1055	Additional Drive Adapter	30	765	NC	A	X	X	X	X		X	X
2285	Control for Base Drives, 3rd	86	3340	2	A	X	X	X	X		X	X
2286	Control for Base Drives, 4th	25	1000	2	A	X	X	X	X		X	X
4455	Fourth Control Attachment	61	2360	NC	A	X	X	X	X		X	X
6392	Second 2816 Attachment (1st control)	10	408	NC	A	X	X	X	X		X	X
6393	Second 2816 Attachment (2nd control)	10	408	NC	A	X	X	X	X		X	X
7803	Tape Drive Intermix	10	418	NC	A	X	X	X	X		X	X
2495	Tape Cartridge Reader (900 cps)	346	19,000	150	X	X	X	X	X	X	X	X
3410-1	Magnetic Tape Unit (20 kb/sec; 1600 bpi)(2)	188	7850	46	X	X	X			X	X	I
3410-2	Magnetic Tape Unit (40 kb/sec; 1600 bpi)(2)	249	10,500	51	X	X	X			X	X	I
3410-3	Magnetic Tape Unit (80 kb/sec; 1600 bpi)(2)	311	13,000	56	X	X	X			X	X	I
3211	Single Density	55	2550	8	X	X	X			X	X	I
3221	Dual Density (3410-2, 3 only)	81	3670	28	X	X	X			X	X	I
6550	7-Track Tape Unit	81	3670	14	X	X	X			X	X	I
3411-1	Magnetic Tape Unit and Control (20 kb/sec; 1600 bpi)	412	17,300	71	X	X	X			X	X	I
3411-2	Magnetic Tape Unit and Control (40 kb/sec; 1600 bpi)	525	21,900	76	X	X	X			X	X	I
3411-3	Magnetic Tape Unit and Control (80 kb/sec; 1600 bpi)	637	26,700	81	X	X	X			X	X	I
3211	Single Density	55	2550	8	X	X	X			X	X	I
3221	Dual Density (3411-2, 3 only)	81	3670	28	X	X	X			X	X	I
6550	7-Track Tape Unit	81	3670	14	X	X	X			X	X	I
7360	S/360/370 Attachment	152	6420	16	X	X	X				X	I
7361	S/370 Model 125 Attachment	101	4280	5						X		
3420-3	Magnetic Tape Unit (120 kb/sec; 556/800/1600 bpi)(2) (3)	361	13,800	51	A	X	X	X	X		X	X
3420-5	Magnetic Tape Unit (200 kb/sec; 556/800/1600 bpi)(2) (3)	484	18,500	56	A	X	X	X	X		X	X
3420-7	Magnetic Tape Unit (320 kb/sec; 556/800/1600 bpi)(2) (3)	595	22,800	66			D	X	X		X	X
3420-4	Magnetic Tape Unit(2) (3)	637	24,400	51							X	X
3420-6	Magnetic Tape Unit(2) (3)	734	28,500	56							X	X
3420-8	Magnetic Tape Unit(2) (3)	820	31,600	81							X	X
3550	Dual Density	111	4290	26	A	X	X	X	X		X	X
6407	7-Track Tape Unit	86	3320	26	A	X	X	X	X		X	X
6631	Single Density	86	3320	16	A	X	X	X	X			X
3803	Tape Control (for 3420)(2) (3)	688	26,300	96	A	X	X	X	X		X	X
3803-2	Tape Control (for 3820-3 thru 8)(2) (3)	1150	43,800	132							X	X
1792	Tape Switching (2-control switch)	203	7800	10	A	X	X	X	X		X	X
1793	Tape Switching (3-control switch)	260	9950	16	A	X	X	X	X		X	X
1794	Tape Switching (4-control switch)	305	11,700	16	A	X	X	X	X		X	X
3551	Dual Density	76	2920	3	A	X	X	X	X		X	X
6408	7-Track Tape Unit	76	2920	3	A	X	X	X	X		X	X
8100	Two-Channel Switch	152	5850	5	A	X	X	X	X		X	X
	Paper Tape											
1017-1	Paper Tape Reader (5, 6, 7, 8-level; 120 cps; strip reader)	49	2370	15	X	X	X			X	X	I
1017-2	Paper Tape Reader (5, 6, 7, 8-level; 120 cps; spool reader)	74	3630	18	X	X	X			X	X	I
1018	Paper Tape Punch (5, 6, 7, 8-level; 120 cps)	123	5500	41	X	X	X			X	X	I
3800	Error Correction	25	1210	1	X	X	X			X	X	I
7801	Take-Up	25	1210	6	X	X	X			X	X	I
2826-1	Paper Tape Control (for up to two 1017s or 1018s)	280	14,600	36	X	X	X			X	X	I
5801	Punch Adapter, Line 1 (for 1st 1018)	98	5040	9	X	X	X			X	X	I
5802	Punch Adapter, Line 2 (for 2nd 1018)	83	4300	5	X	X	X			X	X	I
5820	Punch Checking (reqrd for Error Correction feature on 1018)	29	1500	1	X	X	X			X	X	I
6101	Reader Adapter, Line 1 (for 1st 1017)	83	4300	8	X	X	X			X	X	I
6102	Reader Adapter, Line 2 (for 2nd 1017)	69	3530	5	X	X	X			X	X	I

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Paper Tape (Contd.)											
2671	Paper Tape Reader (5, 6, 7, 8-level; 1000 cps)	142	6430	22	X	X	X	F		X	X	I
1842	Center Roll Feeding	25	1180	4	X	X	X	F		X	X	I
7580	Supply Option	35	1340	6	X	X	X	F		X	X	I
7812	Take-Up Option	35	1340	6	X	X	X	F		X	X	I
2822	Paper Tape Reader Control (for 2671)	214	9590	9	X	X	X	F		X	X	I
	Punched Card											
1442-N1	Card Read/Punch and Control (reads 400 cpm; punches 160 col/sec)	520	25,900	82	X	X	X	X	X	X	X	X
1532	Card Image	30	1630	1	X	X	X	X	X	X	X	X
4445	1442-N1 Compatibility Attachment	NC	NC	NC	B	X						
1442-N2	Card Punch and Control (160 col/sec)	372	18,500	72	X	X	X	X	X	X	X	X
1531	Card Image	29	1630	1	X	X	X	X	X	X	X	X
2501-B1	Card Reader and Control (600 cpm)	265	14,800	52	X	X	X	X	X	X	X	X
2501-B2	Card Reader and Control (1000 cpm)	326	15,040	56	X	X	X	X	X	X	X	X
1531	Card Image (for both 2501-B1 and B2)	30	1580	1	X	X	X	X	X	X	X	X
2520-B1	Card Read/Punch and Control (reads/punches 500 cpm)	933	40,300	154	X	X	X	X	X	X	X	X
2520-B2	Card Punch and Control (500 cpm)	826	35,700	144	X	X	X	X	X			
2520-B3	Card Punch and Control (300 cpm)	637	35,400	116						X	X	X
1531	Card Image (for 2520-B1, B2, and B3)	31	1580	1	X	X	X	X	X	X	X	X
2540	Card Read/Punch (reads 1000 cpm; punches 300 cpm)	724	33,500	126	X	X	X	X	X	X	X	X
4151	51-Column Interchangeable Read Feed	65	3660	35	X	X	X	X	X	X	X	X
5890	Punch Feed Read	27	953	4	X	X	X	X	X	X	X	X
8102	Two-Channel Switch Adapter	NC	NC	NC				X				
2821-1	Control Unit (for one 2540 Card Read/Punch and one 1403 Printer)(2)	988	37,900	45	X	X	X	X	X	X	X	X
2821-4	Control Unit (for one 2540 Card Read/Punch and one 1404 Printer)(2)	1070	41,100	48	B	X	X	X	X			
2821-5	Control Unit (for one 2540 Card Read/Punch and two 1403 Printers)(2)	1590	61,400	79	X	X	X	X	X	X	X	X
2821-6	Control Unit (for one 2540 Card Read/Punch)(2)	448	12,900	98	X	X	X	X	X	X	X	X
1990	Column Binary (for 2821-1, 4, 5, 6)(2)	101	2930	3	X	X	X	X	X	X	X	X
5895	Punch Feed Read Control (for 2821-1, 4, 5, 6)(2)	55	1670	2	X	X	X	X	X	X	X	X
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65 MP; 2821-1, 5)	NC	NC	NC				X				
8065	2540 Compatibility Attachment (reqrd on 360/30 or 40; 2821-1, 4, 5, 6)	NC	NC	NC		X	C					
8100	Two Channel Switch (requires 6148 on 360/67-2 or 65MP only; 2821-1, 5)(2)	203	8550	8				X				
2560-A1	Multi-Function Card Machine and Control (reads 500 cpm; punches 160 col/sec)	627	27,500	98	B					X		
1575	Card Print (1st 2 lines)	137	5990	15	B					X		
1576	Card Print (2nd 2 lines)	137	5990	15	B					X		
1577	Card Print (3rd 2 lines)	137	5990	15	B					X		
2596	Card Read/Punch and Control (reads 500 cpm; punches/prints 120 cpm)	861	30,100	336	X	X	X	X	X	X	X	X
1510	Card Print	153	5350	53	X	X	X	X	X	X	X	X
3504-A1	Card Reader and Control (800 cpm)(3)	478	20,400	76						X		
3504-A2	Card Reader and Control (1200 cpm)(3)	579	21,400	102						X		
3921	51/80-Column Interchangeable Read Feed(3)	126	5100	38						X		
5450	Optical Mark Read(3)	186	8100	36						X		
6555	Selective Stacker(3)	49	2290	7						X		
3505-B1	Card Reader and Control (800 cpm)	576	28,800	86						X	X	X
3505-B2	Card Reader and Control (1200 cpm)	683	29,800	117						X	X	X
3921	51/80-Column Interchangeable Read Feed (3505-B2 only)	127	5100	38						X	X	X
5450	Optical Mark Read	188	8100	36						X	X	X
6555	Selective Stacker	51	2290	7						X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Punched Card (Contd.)											
8101	3525 Multiline Print Control (requires either 3525 Punch Adapter or 3525 Read Punch Adapter)	61	3060	4						X	X	X
8103	3525 Punch Adapter	102	5100	4						X	X	X
8105	3525 Read Punch Adapter	127	5610	4						X	X	X
8107	3525 Two-Line Print Control (requires either 3525 Punch Adapter or 3525 Read Punch Adapter)	61	3060	4						X	X	X
3525-P1	Card Punch (100 cpm)(4)	408	20,400	61						X	X	X
3525-P2	Card Punch (200 cpm)(4)	515	21,200	81						X	X	X
3525-P3	Card Punch (300 cpm)(4)	622	22,000	102						X	X	X
1533	Card Read	122	6120	16						X	X	X
5272	Multiline Card Print	357	14,500	84						X	X	X
8338	Two-Line Card Print	295	14,100	69						X	X	X
5425-A1	Multi-Function Card Unit (reads 250 cpm; punches/prints 60 cpm)(3)	579	18,300	153						X		
5425-A2	Multi-Function Card Unit (reads 500 cpm; punches/prints 120 cpm)(3)	752	22,300	300						X		
5496-1	Data Recorder	158	7600	55						X		
5496-2	Data Recorder	163	8000	57						X		
3666	8-Bit Read/Punch Feature	30	1470	2						X		
7061	Self-Checking Number — Modulus 10	30	918	1						X		
7062	Self-Checking Number — Modulus 11	30	918	1						X		
	Printers(2)											
1403-2	Printer (600 lpm; 132 PP; dual-speed carriage)	764	28,500	174	X	X	X	X	X	X	X	X
1403-7	Printer (600 lpm; 120 PP; single-speed carriage)	642	27,400	135	X	X	X	X	X	X	X	X
1403-N1	Printer (1100 lpm; 132 PP; dual-speed carriage)	892	34,600	200	X	X	X	X	X	X	X	X
1376	Auxiliary Ribbon Feeding (1403-2, 7; std on N1)	74	2590	16	X	X	X	X	X	X	X	X
4740	Interchangeable Chain Cartridge Adapter (1403-2, 7 only)	74	2630	NC	X	X	X	X	X	X	X	X
5110	Multiple Character Set Feature (1403-2 only; not reqrd if equipped with 8641 Universal Character Set)	10	387	2	B							
5111	Multiple Character Set Feature (1403-N1 only; not reqrd if equipped with 8640 Universal Character Set)	10	387	2	B							
5381	Numerical Print Feature (1403-2 only)	222	7600	9	X	X	X	X	X	X	X	X
5532	Additional Print Chain	975S	975	NC	X	X	X	X	X	X	X	X
6411	Selective Tape Listing Feature (1403-2 only)	187	6810	10	X	X	X	X	X	X	X	X
6413	Selective Tape Listing Stacker	—	250	TM	X	X	X	X	X	X	X	X
6420	Selective Tape Listing Feature (1403-N1 only)	276	10,000	24	X	X	X					
8371	Type Substitution (chain; 1st slug)	15S	5	—	X	X	X	X	X	X	X	X
8372	Type Substitution (chain; each additional slug)	7S	5	—	X	X	X	X	X	X	X	X
8640	Universal Character Set Feature (1403-N1 only)	10	387	2	X	X	X	X	X	X	X	X
8641	Universal Character Set Feature (1403-2 only)	10	387	2	X	X	X	X	X	X	X	X
1416	Interchangeable Train Cartridge (reqrd on 1403-N1 only)	98	2960	TM	X	X	X	X	X	X	X	X
8373	Type Substitution (train; 1st slug)	20S	15	—	X	X	X	X	X	X	X	X
8374	Type Substitution (train; each additional slug)	15S	15	—	X	X	X	X	X	X	X	X
1404-2	Printer (uses card or paper forms; 132 PP; up to 800 doc/min)	1530	74,200	379	B	X	X					
4740	Interchangeable Chain Cartridge Adapter	74	3090	NC	B	X	X					
5532	Additional Print Chain	975S	975	NC	B	X	X					
5990	Read-Compare	173	9640	24	B	X	X					
8371	Type Substitution (chain; first slug)	15S	5	—	B	X	X					
8372	Type Substitution (chain; each additional slug)	7S	5	—	B	X	X					
2821-1	Control Unit (for one 1403-2/7/N1 Printer and one 2540 Card Read/Punch)	988	37,900	45	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Printers (Contd.)											
2821-2	Control Unit (for one 1403-2/7/N1 Printer)	612	23,500	35	X	X	X	X	X	X	X	X
2821-3	Control Unit (for two 1403-2/7/N1 Printers, any combination; three printers with 7945 Third Printer Control)	1220	46,900	70	X	X	X	X	X	X	X	X
2821-4	Control Unit (for one 1404-2 Printer and one 2540 Card Read/Punch)	1070	41,100	48	B	X	X					
2821-5	Control Unit (same as 2821-3 plus one 2540 Card Read/Punch)	1590	61,400	79	X	X	X	X	X	X	X	X
3615	1100-LPM Printer Adapter (reqrd for 1403-N1; 2821-1, 2, 3, 5 only)	76	2440	1	X	X	X	X	X	X	X	X
5991	Read-Compare Adapter (for 1404-2; 2821-4 only)	76	3460	2	B	X	X					
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65 MP; 2821-1, 2, 3, 5)	NC	NC	NC				X				
6412	Selective Tape Listing Control (for 1403-N1; 2821-1, 2, 3, 5)	86	3500	NC	X	X	X	X	X	X	X	X
6425	Selective Tape Listing Control (for 1403-N1; 2821-1, 2, 3, 5)	86	3500	NC	X	X	X					
7945	Third Printer Control (for attachment of a third 1403-2/7/N1; 2821-3, 5 only)	510	19,500	7	X	X	X	X	X	X	X	X
8100	Two-Channel Switch (reqrd 6148 Remote Switch Attachment; on 360/67-2 or 65MP only; 2821-1, 2, 3, 5)	203	8550	8				X				
8637	Universal Character Set Adapter (for 1st printer control; 2821-1, 2, 3, 5)	15	622	4	X	X	X	X	X	X	X	X
8638	Universal Character Set Adapter (for 2nd printer control; 2821-3, 5 only)	15	622	4	X	X	X	X	X	X	X	X
8639	Universal Character Set Adapter (for 3rd printer control; feature 7945 reqrd; 2821-3, 5 only)	15	622	4	X	X	X	X	X	X	X	X
1443-N1	Printer and Control (240 lpm; 52-char set)	866	37,200	89	X	X	X	X	X	X	X	X
1901	Additional Character Set (13 char)	400S	400	NC	X	X	X	X	X	X	X	X
1902	Additional Character Set (39 char)	450S	450	NC	X	X	X	X	X	X	X	X
1903	Additional Character Set (52 char)	475S	475	NC	X	X	X	X	X	X	X	X
1904	Additional Character Set (63 char)	500S	500	NC	X	X	X	X	X	X	X	X
5558	24 Additional Print Positions	44	2080	3	X	X	X	X	X	X	X	X
6402	Selective Character Set	25	1150	2	X	X	X	X	X	X	X	X
1445-N1	Printer and Control (conventional or MICR printer; 113 PP; 190 lpm)	1400	61,300	121	B	X						
1898	Additional Character Set (14 char)	2330S	2330	NC	B	X						
1899	Additional Character Set (42 char)	2640S	2640	NC	B	X						
1906	Additional Character Set (56 char)	2795S	2795	NC	B	X						
6402	Selective Character Set	25	1360	2	B	X						
3211-1	Printer (2000 lpm; 132 PP)	1730	70,700	372	X	X	X	X	X		X	X
5450	OCR Print Package	816S	816	NC	X	X	X	X	X		X	X
5554	18 Additional Print Positions	55	2280	8	X	X	X	X	X		X	X
3216	Interchangeable Train Cartridge (for 3211)	357	11,700	173	X	X	X	X	X		X	X
8481	Type Substitution (1st element)	158S	158	NC	X	X	X	X	X		X	X
8482	Type Substitution (each additional)	24S	24	NC	X	X	X	X	X		X	X
3811	Control Unit (for 3211)	764	31,200	117	X	X	X	X	X		X	X
5553	18 Additional Print Positions	20	836	5	X	X	X	X	X		X	X
5213-1	Printer (85 cps; 132 PP)	163	6320	49						X		
4450	Forms Stand Stacker	—	51	NC						X		
	Magnetic Ink Character Readers											
1255-1	Magnetic Character Reader (500 doc/min; 6 stackers)	821	39,400	214	X	X	X			X	X	I
1255-2	Magnetic Character Reader (750 doc/min; 6 stackers)	999	45,100	341	X	X	X			X	X	I
1255-3	Magnetic Character Reader (750 doc/min; 12 stackers)	1320	61,400	448	X	X	X			X	X	I

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Magnetic Ink Character Readers (Contd.)											
3215	Dash Symbol Transmission	51S	35	NC	X	X	X			X	X	I
4380	51-Column Card Sorting	15	734	NC	X	X	X			X	X	I
4520	High Order Zero and Blank Selection	30	1460	5	X	X	X			X	X	I
6360	S/360/370 Adapter	459	22,000	32	X	X	X			X	X	I
7060	Self-Checking Number	49	2370	3	X	X	X			X	X	I
1259-2	Magnetic Character Reader (600 doc/min)	1380	62,300	265	X	X	C			X	X	
1419	Magnetic Character Reader (1600 doc/min)	2420	109,000	245	X	X	X	X		X	X	X
1445	Batch Numbering	132	6180	10	X	X	X	X		X	X	X
3215	Dash Symbol Transmission	51S	35	NC	X	X	X	X		X	X	X
3610	Electronic Accumulator & Sequence Checking	266	9640	19	X	X	X	X		X	X	X
3791	Endorser (cannot be installed with features 1445 or 3795)	401	18,100	33	X	X	X	X		X	X	X
3792	Endorser Plate (used with features 3791 and 3795; $25 service charge if art/layout work reqrd)	—	55	—	X	X	X	X		X	X	X
3795	Endorse Only	266	11,900	22	X	X	X	X		X	X	X
3800	Expanded Capability	165	7430	1	X	X	X	X		X	X	X
4380	51-Column Card Sorting	NC	NC	NC	X	X	X	X		X	X	X
5201	Multiple Column Control	53	2220	2	X	X	X	X		X	X	X
5739	Program Control for Pocket Lights (1-6)	27	979	1	X	X	X	X		X	X	X
5741	Program Control for Pocket Lights (7-12)	10	387	1	X	X	X	X		X	X	X
7061	Self-Checking Number — Modulus 10	42	1920	2	X	X	X	X		X	X	X
7062	Self-Checking Number — Modulus 11	69	2960	3	X	X	X	X		X	X	X
7440	Split Field	21	1210	1	X	X	X	X		X	X	X
7720	S/360 — Single Address	106	5240	7	X	X	X	X				
7730	S/360 — Dual Address	287	12,900	9	X	X	X	X				
	Optical Mark and Optical Character Readers											
1231-N1	Optical Mark Page Reader	499	26,400	43	X	X	X					
5045	Master Mark	49	2470	2	X	X	X					
1287-1	Optical Reader (document reading)	2760	124,000	816	X	X	X	X	X		X	X
1287-2	Optical Reader (document and journal roll reading)	3160	142,000	918	X	X	X	X	X		X	X
1287-3	Optical Reader (document reading; ANSCS OCR-A)	4250	187,000	1170	X	X	X	X	X		X	X
1287-4	Optical Reader (document and journal roll reading; ANSCS OCR-A)	4650	209,000	1220	X	X	X	X	X		X	X
1287-5	Optical Reader (handprinted document reading)	3460	138,000	1180	X	X	X	X	X		X	X
3850	Expanded Symbol Set (1287-3, 4 only)	69	3110	4	X	X	X	X	X		X	X
3945	Farrington 7B Font (1287-1, 2, 3, 4)	25	1110	1	X	X	X	X	X		X	X
4470	1428 and USASCSOCR Font (1287-1, 2, 3, 4)	25	1110	1	X	X	X	X	X		X	X
4900	Machine Printed OCR Fonts (1287-5 only)	510	20,400	28	X	X	X	X	X		X	X
5300	NCR Optical Type Font (1287-2, 4 only)	98	4450	5	X	X	X	X	X		X	X
5370	Numeric Handwriting (1287-1, 2, 3, 4)	790	35,600	51	X	X	X	X	X		X	X
5479	Optical Mark Reading	98	4450	5	X	X	X	X	X		X	X
6550	Serial Numbering (1287-1, 2, 3, 4)	295	12,700	61	X	X	X	X	X		X	X
6555	Serial Numbering (1287-5 only)	295	12,700	61	X	X	X	X	X		X	X
1288	Optical Page Reader	4850	227,000	1240	X	X	X	X	X		X	X
3850	Expanded Symbol Set	69	3110	4	X	X	X	X	X		X	X
5370	Numeric Handwriting	989	53,400	76	X	X	X	X	X		X	X
5479	Optical Mark Reading	98	5240	7	X	X	X	X	X		X	X
6550	Serial Numbering	295	12,700	61	X	X	X	X	X		X	X
3881-1	Optical Mark Reader(3)	1368	57,100	142						X	X	I
1471	BCD Read(3)	56	2350	2						X	X	I
3450	Document Counters(3)	22	948	2						X	X	I
3801	Expanded Storage(3)	56	2390	1						X	X	I
6451	Serial Numbering(3)	167	7030	26						X	X	I
	DATA COMMUNICATIONS											
	Audio Response Units											
7770-3	Audio Response Unit	1180	56,900	40	X	X	X	E	X	X	X	X
1091	ABB Code Line Interface	40	1950	1	X	X	X	E	X	X	X	X
3540	EOI Disable	NC	NC	NC	X	X	X	E	X	X	X	X
4660	I/O Line Board	15	734	1	X	X	X	E	X	X	X	X
4663	I/O Line Gate	10	489	1	X	X	X	E	X	X	X	X
4668	I/O Line Frame	197	9490	3	X	X	X	E	X	X	X	X
4677	I/O Line Expander	173	8310	13	X	X	X	E	X	X	X	X
4679	I/O Line Panel	74	3550	2	X	X	X	E	X	X	X	X
8721	Additional Vocabulary Words (16 wds)	98	4740	3	X	X	X	E	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Audio Response Units (Contd.)											
7772-3	Audio Response Unit	617	29,600	28	X	X	X	E	X			
3540	EOI Disable	NC	NC	NC	X	X	X	E	X			
4667	I/O Line Expander (for 3rd and 4th lines)	246	11,800	13	X	X	X	E	X			
4675	I/O Line Expander (for 5th and 6th lines)	246	11,800	13	X	X	X	E	X			
4676	I/O Line Expander (for 7th and 8th lines)	246	11,800	13	X	X	X	E	X			
	Communication Terminals											
1013-1	Card Transmission Terminal	790	42,800	84	X	X	X	X	X	X	X	X
2721-1	Portable Audio Terminal	20	612	2	X	X	X	E	X	X	X	X
2730-1	Transaction Validation Terminal	—	525	3	X	X	X	E	X	X	X	X
2740-1	Communications Terminal	96	4000	24	X	X	X	X	X	X	X	X
2740-2	Communications Terminal	147	6130	24	X	X	X	X	X	X	X	X
1313	Automatic EOB (2740-1 only)	4	163	NC	X	X	X	X	X	X	X	X
1495	Buffer Expansion (positions 121-248; 2740-2 only)	10	423	1	X	X	X	X	X	X	X	X
1496	Buffer Expansion (positions 249-440; 2740-2 only)	15	632	1	X	X	X	X	X	X	X	X
1499	Buffer Receive (2740-2 only)	5	209	NC	X	X	X	X	X	X	X	X
3255	Dial Up (2740-1 only)	3	137	NC	X	X	X	X	X	X	X	X
3401	Document Insertion (6-in. wide cards; 2740-2 only)	6	255	2	X	X	X	X	X	X	X	X
3402	Document Insertion (7-3/8-in. wide cards; 2740-2 only)	6	255	2	X	X	X	X	X	X	X	X
3600	Edit (2740-2 only)	10	423	NC	X	X	X	X	X	X	X	X
4510	Header Control (2740-2 only)	5	209	NC	X	X	X	X	X	X	X	X
4634	IBM Line Adapter (limited distance type 1; 2-wire)	3	137	NC	X	X	X	X	X	X	X	X
4635	IBM Line Adapter (limited distance type 1; 4-wire)	3	137	NC	X	X	X	X	X	X	X	X
4639	IBM Line Adapter (leased line; 2-wire)	10	408	1	X	X	X	X	X	X	X	X
4641	IBM Line Adapter (shared line; 2-wire; subchannel 1)	20	816	2	X	X	X	X	X	X	X	X
4642	IBM Line Adapter (shared line; 2-wire; subchannel 2)	20	816	2	X	X	X	X	X	X	X	X
4643	IBM Line Adapter (shared line; 2-wire; subchannel 3)	20	816	2	X	X	X	X	X	X	X	X
4644	IBM Line Adapter (shared line; 2-wire; subchannel 4)	20	816	2	X	X	X	X	X	X	X	X
4647	IBM Line Adapter (leased line; 4-wire)	10	408	1	X	X	X	X	X	X	X	X
4691	IBM Line Adapter (shared line; 4-wire; subchannel 1)	20	816	2	X	X	X	X	X	X	X	X
4692	IBM Line Adapter (shared line; 4-wire; subchannel 2)	20	816	2	X	X	X	X	X	X	X	X
4693	IBM Line Adapter (shared line; 4-wire; subchannel 3)	20	816	2	X	X	X	X	X	X	X	X
4694	IBM Line Adapter (shared line; 4-wire; subchannel 4)	20	816	2	X	X	X	X	X	X	X	X
4790	IBM Line Adapter (limited distance type 2B)	10	459	1	X	X	X	X	X	X	X	X
6114	Record Checking	17	759	NC	X	X	X	X	X	X	X	X
7106	Speed Base — 600 BPS (2740-2 only)	10	423	NC	X	X	X	X	X	X	X	X
7479	Station Control (2740-1 only)	15	688	NC	X	X	X	X	X	X	X	X
7807	Telegraph Line Attachment (2740-2 only)	3	132	1	X	X	X	X	X	X	X	X
8028	Transmit Control (2740-1 only)	5	229	NC	X	X	X	X	X	X	X	X
8301	2760 Attachment (2740-1 only)	10	459	NC	X	X	X	X	X	X	X	X
9509	Pin Feed Platen	—	62	TM	X	X	X	X	X	X	X	X
9600	Split Friction Feed Platen (2740-2 only)	—	76	TM	X	X	X	X	X	X	X	X
2741-1	Communication Terminal	96	4000	26	X	X	X	X	X	X	X	X
3255	Dial Up	3	137	NC	X	X	X	X	X	X	X	X
4634	IBM Line Adapter (limited distance type 1; 2-wire)	3	137	NC	X	X	X	X	X	X	X	X
4635	IBM Line Adapter (limited distance type 1; 4-wire)	3	137	NC	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Communication Terminals (Contd.)											
4639	IBM Line Adapter (leased line; 2-wire)	10	408	1	X	X	X	X	X	X	X	X
4641	IBM Line Adapter (shared line; 2-wire; subchannel 1)	20	816	2	X	X	X	X	X	X	X	X
4642	IBM Line Adapter (shared line; 2-wire; subchannel 2)	20	816	2	X	X	X	X	X	X	X	X
4643	IBM Line Adapter (shared line; 2-wire; subchannel 3)	20	816	2	X	X	X	X	X	X	X	X
4644	IBM Line Adapter (shared line; 2-wire; subchannel 4)	20	816	2	X	X	X	X	X	X	X	X
4647	IBM Line Adapter (leased line; 4-wire)	10	408	1	X	X	X	X	X	X	X	X
4691	IBM Line Adapter (shared line; 4-wire; subchannel 1)	20	816	2	X	X	X	X	X	X	X	X
4692	IBM Line Adapter (shared line; 4-wire; subchannel 2)	20	816	2	X	X	X	X	X	X	X	X
4693	IBM Line Adapter (shared line; 4-wire; subchannel 3)	20	816	2	X	X	X	X	X	X	X	X
4694	IBM Line Adapter (shared line; 4-wire; subchannel 4)	20	816	2	X	X	X	X	X	X	X	X
4708	Receive Interrupt	3	117	NC	X	X	X	X	X	X	X	X
4790	IBM Line Adapter (limited distance type 2; 2-wire)	10	459	1	X	X	X	X	X	X	X	X
5501	Print Inhibit	10	357	NC	X	X	X	X	X	X	X	X
7900	Transmit Interrupt	8	280	NC	X	X	X	X	X	X	X	X
8341	Typamatic Keys	5	229	NC	X	X	X	X	X	X	X	X
9509	Pin Feed Platen	—	62	TM	X	X	X	X	X	X	X	X
2760-1	Optical Image Unit	192	9420	28	X	X	X	X	X	X	X	X
2780-1	Data Transmission Terminal (prints 240 lpm; reads 400 cards/min)	892	39,100	219	X	X	X	X	X	X	X	X
2780-2	Data Transmission Terminal (prints 240 lpm; reads 400 cards/min; punches 160 col/sec)	989	43,450	265	X	X	X	X	X	X	X	X
2780-3	Data Transmission Terminal (prints 240 lpm)	739	32,600	204	X	X	X	X	X	X	X	X
2780-4	Data Transmission Terminal (reads 400 cards/min; punches 160 col/sec)	693	30,400	183	X	X	X	X	X	X	X	X
1340	Automatic Answering	15	673	1	X	X	X	X	X	X	X	X
1350	Automatic Turnaround (2780-2, 4 only)	10	448	1	X	X	X	X	X	X	X	X
1894	Additional Character Set (39 char)	450S	450	NC	X	X	X	X	X	X	X	X
1895	Additional Character Set (47 char)	465S	465	NC	X	X	X	X	X	X	X	X
1897	Additional Character Set (63 char)	500S	500	NC	X	X	X	X	X	X	X	X
1902	Additional Character Set (39 char)	450S	450	NC	X	X	X	X	X	X	X	X
1903	Additional Character Set (52 char)	475S	475	NC	X	X	X	X	X	X	X	X
1904	Additional Character Set (63 char)	500S	500	NC	X	X	X	X	X	X	X	X
3401	Dual Communications Interface	25	1120	1	X	X	X	X	X	X	X	X
5010	Multiple Record Transmission	15	673	2	X	X	X	X	X	X	X	X
5020	Multi-Point Line Control	25	1080	3	X	X	X	X	X	X	X	X
5800	Printer Horizontal Format Control (2780-1, 2, 3 only)	29	943	1	X	X	X	X	X	X	X	X
5820	Print Line — 120 Characters (2780-1, 2, 3 only)	83	3700	6	X	X	X	X	X	X	X	X
5821	Print Line — 144 Characters (2780-1, 2, 3 only)	44	1950	3	X	X	X	X	X	X	X	X
6400	Selective Character Set (2780-1, 2, 3 only)	25	1080	4	X	X	X	X	X	X	X	X
7705	Synchronous Clock	25	1080	1	X	X	X	X	X	X	X	X
7850	Terminal Identification	25	1120	2	X	X	X	X	X	X	X	X
8030	EBCDIC Transparency	15	673	1	X	X	X	X	X	X	X	X
5275	Direct Numerical Control Station	740	29,600	84						X	X	X
3440	Dial	10	450	1						X	X	X
5555	Printer Adapter	10	450	1						X	X	X
6333	Second Storage and Machine Tool Attachment	153	6100	21						X	X	X
6340	Security Keylock	35S	35	NC						X	X	X
3735-1	Programmable Buffered Terminal	336	13,400	58	X	X	X	X	X	X	X	X
1001	Additional Customer Storage (1st increment)	30	1220	1	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Communication Terminals (Contd.)											
1002	Additional Customer Storage (2nd increment)	30	1220	1	X	X	X	X	X	X	X	X
3950	5496 Attachment	25	1020	1	X	X	X	X	X	X	X	X
4450	Forms Stacker	—	50	NC	X	X	X	X	X	X	X	X
4600	Operator Identification Card Reader	15	612	3	X	X	X	X	X	X	X	X
4695	Keylock	35S	35	NC	X	X	X	X	X	X	X	X
5010	Multi-Point Data Link Control	15	612	1	X	X	X	X	X	X	X	X
5500	IBM 1200 BPS Line Adapter	15	535	3	X	X	X	X	X	X	X	X
5501	IBM 1200 BPS Line Adapter, Switched with Auto Answer	20	714	3	X	X	X	X	X	X	X	X
5750	Optional ASCII Element — Dual Case	—	18	—	X	X	X	X	X	X	X	X
7705	Synchronous Clock	15	612	1	X	X	X	X	X	X	X	X
7880	3286 Model 3 Printer Attachment	15	612	1	X	X	X	X	X	X	X	X
3780-1	Data Communications Terminal(3)	956	25,500	239	X	X	X	X	X	X	X	X
3601	EBCDIC Transparency(3)	12	306	1	X	X	X	X	X	X	X	X
4650	Keylock	35S	35	NC	X	X	X	X	X	X	X	X
5010	Multi-Point Data Link Control(3)	18	459	1	X	X	X	X	X	X	X	X
5701	Additional Print Positions(3)	53	1370	2	X	X	X	X	X	X	X	X
7651	Switched Network Control(3)	18	459	1	X	X	X	X	X	X	X	X
7705	Synchronous Clock(3)	29	765	1	X	X	X	X	X	X	X	X
5496-1	Data Recorder	158	7750	55	X	X	X	X	X	X	X	X
7061	Self-Checking Number — Modulus 10	30	918	1	X	X	X	X	X	X	X	X
7062	Self-Checking Number — Modulus 11	30	918	1	X	X	X	X	X	X	X	X
7801	3735 Attachment	45	2240	5	X	X	X	X	X	X	X	X
7850	2772 Attachment	45	2240	16	X	X	X	X	X	X	X	X
	Data Adapter Units											
1826-1	Data Adapter Unit	83	2710	4	X	X	X					
1826-2	Data Adapter Unit	79	2390	4	X	X	X					
1826-3	Data Adapter Unit	133	4650	7	X	X	X					
1231	Analog-Digital Converter — Model 1 (1826-1 only)	147	5340	3	X	X	X					
1232	Analog-Digital Converter — Model 2 (1826-1 only)	178	5830	3	X	X	X					
1233	Analog Input Data Channel Adapter 1 (1826-1 only)	23	918	2	X	X	X					
1234	Analog Input Data Channel Adapter 2 (1826-1 only)	10	408	1	X	X	X					
1237	Analog Input Expander (1826-1 only)	197	6430	7	X	X	X					
2185	Comparator (1826-1 only)	37	1480	2	X	X	X					
3262	Digital Input Adapter (1826-1, 2 only)	20	816	1	X	X	X					
3285	Digital Input — Contact (1826-1, 2 only)	10	326	1	X	X	X					
3286	Digital Input — Voltage (1826-1, 2 only)	14	571	2	X	X	X					
3287	Digital Input — Voltage (High-Speed) (1826-1, -2 only)	14	571	2	X	X	X					
3295	Digital Output Adapter (1826-1, 2 only)	15	612	2	X	X	X					
3296	Digital Output Control (1826-1, 2 only)	15	612	2	X	X	X					
3612	Electronic Contact Operate (1826-1, 2 only)	20	816	1	X	X	X					
5256	Multiplexer/R Control (1826-1 only)	25	816	4	X	X	X					
5257	Additional Multiplexer/R Control (1826-1 only)	13	408	2	X	X	X					
5258	Multiplexer/S Control (1826-1 only)	25	989	2	X	X	X					
5259	Multiplexer Overlap (1826-1 only)	8	306	1	X	X	X					
5710	Process Interrupt Adapter (1826-1, 2 only)	23	918	1	X	X	X					
5715	Process Interrupt — Contact (1826-1, 2 only)	20	652	2	X	X	X					
5716	Process Interrupt — Voltage (1826-1, 2 only)	25	816	1	X	X	X					
5861	Pulse Counter Adapter (1826-1, 2 only)	23	918	1	X	X	X					
5862	Pulse Counter — 8 Bit (1826-1, 2 only)	8	255	1	X	X	X					
5863	Pulse Output (1826-1, 2 only)	20	816	1	X	X	X					

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Data Adapter Units (Contd.)											
5867	Pulse Counter — 16 Bit (1826-1, 2 only)	16	510	1	X	X	X					
6125	Register Output (1826-1, 2 only)	23	918	1	X	X	X					
7550	Communications Adapter (1826-2, 3 only)	227	9100	50	X	X	X					
7551	Line Adapter (1826-2, 3 only)	168	6720	21	X	X	X					
7552	Clock (1826-2, 3 only)	7	285	1	X	X	X					
7570	1800/2790 Adapter (1826-2, 3 only)	642	25,700	40	X	X	X					
7710	Selector Channel (1826-2, 3 only)	321	12,800	20	X	X	X					
7720	System/360 Adapter (1826-2, 3 only)	143	4940	4	X	X	X					
1827-1	Data Control Unit (for 1826)	187	7420	18	X	X	X					
1230	Analog Input Basic	93	3750	11	X	X	X					
1231	Analog Digital Converter — Model 1	147	5340	3	X	X	X					
1232	Analog Digital Converter — Model 2	178	5830	3	X	X	X					
2185	Comparator	37	1480	2	X	X	X					
3262	Digital Input Adapter	20	816	1	X	X	X					
3284	Digital Input Basic	69	2760	8	X	X	X					
3285	Digital Input — Contact	10	326	1	X	X	X					
3286	Digital Input — Voltage	14	571	2	X	X	X					
3287	Digital Input — Voltage (High-Speed)	14	571	2	X	X	X					
3289	Digital and Analog Output Basic	69	2760	9	X	X	X					
3295	Digital Output Adapter	15	612	2	X	X	X					
3296	Digital Output Control	15	612	2	X	X	X					
3612	Electronic Contact Operate	20	816	1	X	X	X					
5256	Multiplexer/R Control	25	816	4	X	X	X					
5257	Additional Multiplexer/R Control	13	408	2	X	X	X					
5258	Multiplexer/S Control	25	989	2	X	X	X					
5861	Pulse Counter Adapter	23	918	1	X	X	X					
5862	Pulse Counter — 8 Bit	8	255	1	X	X	X					
5863	Pulse Output	20	816	1	X	X	X					
5867	Pulse Counter — 16 Bit	16	510	1	X	X	X					
6125	Register Output	23	918	1	X	X	X					
1828-1	Enclosure (for 1827)	20	612	NC	X	X	X					
1828-2	Enclosure (for 1826, 1827, or 1851)	15	408	NC	X	X	X					
1851-1	Multiplexer Terminal	29	989	2	X	X	X					
1851-2	Multiplexer Terminal	44	1480	2	X	X	X					
3246	Differential Amplifier	20	612	1	X	X	X					
3593	Connector Element	3S	3	NC	X	X	X					
3594	Current Element	5S	5	NC	X	X	X					
3595	Current/HL Element	5S	5	NC	X	X	X					
3596	Custom Element	3S	3	NC	X	X	X					
3597	Filter Element	10S	10	NC	X	X	X					
3598	Voltage/R Element	13S	13	NC	X	X	X					
3599	Voltage/S Element	13S	13	NC	X	X	X					
5252	Multiplexer/R	17	510	1	X	X	X					
5253	Multiplexer/S/HLSE	39	1180	2	X	X	X					
	Data Transmission Multiplexers											
2701-1	Data Adapter Unit	204	9310	16	X	X	X	X	X	X	X	X
1302	Autocall	35	1560	3	X	X	X	X	X	X	X	X
1303	Autocall	35	1560	3	X	X	X	X	X	X	X	X
1314	Autocall — Synchronous Adapter II	49	1970	1	X	X	X	X	X	X	X	X
1860	Second Channel Interface	35	1560	1	X	X	X	X	X	X	X	X
3455	Dual Code	39	1280	1	X	X	X	X	X	X	X	X
3461	Dual Communications Interface	20	950	1	X	X	X	X	X	X	X	X
3462	Dual Communications Interface	20	969	1	X	X	X	X	X	X	X	X
3463	Dual Communications Interface	44	1770	1	X	X	X	X	X	X	X	X
3464	Dual Communications Interface	44	1770	1	X	X	X	X	X	X	X	X
3815	Expanded Capability	25	1180	NC	X	X	X	X	X	X	X	X
3855	Expansion Feature	81	3600	6	X	X	X	X	X	X	X	X
4636	IBM Line Adapter (134.5 bps)	10	510	2	X	X	X	X	X	X	X	X
4637	IBM Line Adapter (600 bps)	10	510	2	X	X	X	X	X	X	X	X
4640	IBM Terminal Adapter Type I Model II	76	3350	7	X	X	X	X	X	X	X	X
4648	IBM Terminal Adapter Type II	76	3350	7	X	X	X	X	X	X	X	X
4656	IBM Terminal Adapter Type III (1200 bps)	127	5370	9	X	X	X	X	X	X	X	X
4657	IBM Terminal Adapter Type III (2400 bps)	127	5370	9	X	X	X	X	X	X	X	X
4703	Internal Clock	45	2100	2	X	X	X	X	X	X	X	X
4708	Line Adapter Base	45	1600	1	X	X	X	X	X	X	X	X
4781	1200 BPS Line Adapter, Leased	15	535	3	X	X	X	X	X	X	X	X
4782	1200 BPS Line Adapter, Switched	20	714	3	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations							
					360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Data Transmission Multiplexers (Contd.)											
4791	Automatic Call Origination	66	2320	10	X	X	X	X	X	X	X	X
5500	Parallel Data Adapter	132	4980	10	X	X	X	X	X	X	X	X
5501	Parallel Data Timeout	10	306	1	X	X	X	X	X	X	X	X
5505	Parallel Data Extension	10	306	3	X	X	X	X	X	X	X	X
6301	Second Channel Enable/Disable Switch	NC	NC	NC	X	X	X	X	X	X	X	X
7477	Station Selection	39	1280	1	X	X	X	X	X	X	X	X
7692	Synchronous Clock (for external clocking at 1200 bps)	44	1770	1	X	X	X	X	X	X	X	X
7693	Synchronous Clock (for external clocking at 2400 bps)	44	1770	1	X	X	X	X	X	X	X	X
7695	Synchronous Data Adapter Type I	306	13,800	20	X	X	X	X	X	X	X	X
7696	Synchronous Data Adapter Type I	306	13,800	20	X	X	X	X	X	X	X	X
7697	Synchronous Data Adapter Type II	306	13,800	20	X	X	X	X	X	X	X	X
7698	Synchronous Data Adapter Type II	306	13,800	20	X	X	X	X	X	X	X	X
7860	Telegraph Adapter Type I (45.5 bps)	76	3350	7	X	X	X	X	X	X	X	X
7861	Telegraph Adapter Type I (56.9 bps)	76	3350	7	X	X	X	X	X	X	X	X
7862	Telegraph Adapter Type I (74.2 bps)	76	3350	7	X	X	X	X	X	X	X	X
7885	Telegraph Adapter Type II	76	3350	7	X	X	X	X	X	X	X	X
8029	Transparency	74	3340	1	X	X	X	X	X	X	X	X
2702-1	Transmission Control	867	39,100	47	X	X	X	X	X	X	X	X
1065	Additional Selective Speed	15	714	1	X	X	X	X	X	X	X	X
1290	Autocall Adapter	15	714	1	X	X	X	X	X	X	X	X
1310	Autocall Feature	61	2690	3	X	X	X	X	X	X	X	X
1311	Autocall Expansion	15	700	1	X	X	X	X	X	X	X	X
1319	Auto Poll	51	2300	4	X	X	X	X	X	X	X	X
3233	Data Set Line Adapter	20	969	3	X	X	X	X	X	X	X	X
3853	Expansion Base	NC	NC	NC	X	X	X	X	X	X	X	X
4612	IBM Line Adapter (134.5 bps)	30	1370	1	X	X	X	X	X	X	X	X
4613	IBM Line Adapter (600 bps)	30	1370	1	X	X	X	X	X	X	X	X
4615	IBM Terminal Control Type I	35	1560	1	X	X	X	X	X	X	X	X
4616	IBM Terminal Control Type II	35	1560	1	X	X	X	X	X	X	X	X
4634	IBM Line Adapter (2 wire)	23	1070	1	X	X	X	X	X	X	X	X
4635	IBM Line Adapter (4 wire)	23	1070	1	X	X	X	X	X	X	X	X
6148	Remote Switch Attachment (reqrd on 360/67-2 or 65MP only)	NC	NC	NC				X				
7387	Speed Extension	76	3450	4	X	X	X	X	X	X	X	X
7895	Telegraph Line Adapter	20	918	4	X	X	X	X	X	X	X	X
7911	Telegraph Terminal Control Type I	35	1560	1	X	X	X	X	X	X	X	X
7912	Telegraph Terminal Control Type II	35	1560	1	X	X	X	X	X	X	X	X
7918	1032 Attachment	40	1590	1	X	X	X	X	X	X	X	X
7935	Terminal Control Expansion	20	969	2	X	X	X	X	X	X	X	X
7955	31 Line Expansion	102	4510	4	X	X	X	X	X	X	X	X
8055	2741 Break	10	459	1	X	X	X	X	X	X	X	X
8110	Two Processor Switch (on 67-2 or 65MP, requires 6148)	76	3450	4	X	X	X	X	X	X	X	X
8200	Type I Terminal Interrupt	30	1220	NC	X	X	X	X	X	X	X	X
2703-1	Transmission Control	1470	66,700	77	X	X	X	X	X	X	X	X
1340	Autocall — First	122	5520	8	X	X	X	X	X	X	X	X
1341	Autocall — Second	122	5520	8	X	X	X	X	X	X	X	X
1440	Base Expansion	76	3450	4	X	X	X	X	X	X	X	X
3205	Data Line Set	76	3190	15	X	X	X	X	X	X	X	X
3206	Data Line Set Expander	56	2250	10	X	X	X	X	X	X	X	X
4619	IBM Terminal Control Base	20	969	2	X	X	X	X	X	X	X	X
4686	IBM Line Set 1A	95	3880	4	X	X	X	X	X	X	X	X
4687	IBM Line Set 1B	95	3880	4	X	X	X	X	X	X	X	X
4688	IBM Line Set 2	147	6610	6	X	X	X	X	X	X	X	X
4696	IBM Terminal Control Type I	35	1560	1	X	X	X	X	X	X	X	X
4697	IBM Terminal Control Type II	35	1560	1	X	X	X	X	X	X	X	X
4873	Line Speed Option (asynch; 45.5 bps)	10	484	1	X	X	X	X	X	X	X	X
4874	Line Speed Option (asynch; 56.9 bps)	10	484	1	X	X	X	X	X	X	X	X
4875	Line Speed Option (asynch; 74.2 bps)	10	484	1	X	X	X	X	X	X	X	X
4876	Line Speed Option (asynch; 75 bps)	10	484	1	X	X	X	X	X	X	X	X
4877	Line Speed Option (asynch; 110 bps)	10	484	1	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Data Transmission Multiplexers (Contd.)											
4878	Line Speed Option (asynch; 134.5 bps)	10	484	1	X	X	X	X	X	X	X	X
4879	Line Speed Option (asynch; 600 bps)	10	484	1	X	X	X	X	X	X	X	X
7473	Station Selection	49	1530	1	X	X	X	X	X	X	X	X
7505	Start-Stop Base Type I	76	3450	5	X	X	X	X	X	X	X	X
7506	Start-Stop Base Type II	76	3450	5	X	X	X	X	X	X	X	X
7702	Synchronous Attachment	494	19,700	12	X	X	X	X	X	X	X	X
7703	Synchronous Base Type 1A	147	5930	5	X	X	X	X	X	X	X	X
7704	Synchronous Base Type 1B	147	5930	5	X	X	X	X	X	X	X	X
7705	Synchronous Clock	59	2370	3	X	X	X	X	X	X	X	X
7706	Synchronous Base Type 2A	272	11,800	5	X	X	X	X	X	X	X	X
7710	Synchronous Line Set	397	15,800	6	X	X	X	X	X	X	X	X
7711	Synchronous Line Speed Option	15	612	1	X	X	X	X	X	X	X	X
7715	Synchronous Terminal Control (EBCDIC code)	98	3950	3	X	X	X	X	X	X	X	X
7716	Synchronous Terminal Control (ASCII code)	98	3950	3	X	X	X	X	X	X	X	X
7717	Synchronous Terminal Control (6-bit Transcode)	98	3950	3	X	X	X	X	X	X	X	X
7876	Telegraph Attachment	45	2060	5	X	X	X	X	X	X	X	X
7897	Telegraph Line Set	85	3580	21	X	X	X	X	X	X	X	X
7898	Telegraph Line Set Expander	66	2640	17	X	X	X	X	X	X	X	X
7905	Telegraph Terminal Control Base	20	969	2	X	X	X	X	X	X	X	X
7911	Telegraph Terminal Control Type I	35	1560	1	X	X	X	X	X	X	X	X
7912	Telegraph Terminal Control Type II	35	1560	1	X	X	X	X	X	X	X	X
8055	2741 Break	10	459	1	X	X	X	X	X	X	X	X
8110	Two Processor Switch	76	3450	4	X	X	X	X	X	X	X	X
8200	Type I Terminal Interrupt	61	2376	NC	X	X	X	X	X	X	X	X
2711-1	Line Adapter Unit	132	6000	24	X	X	X	X	X	X	X	X
4639	IBM Line Adapter (leased line; 2-wire)	10	408	1	X	X	X	X	X	X	X	X
4641	IBM Line Adapter (shared line; 2-wire; subchannel 1)	20	816	2	X	X	X	X	X	X	X	X
4642	IBM Line Adapter (shared line; 2-wire; subchannel 2)	20	816	2	X	X	X	X	X	X	X	X
4643	IBM Line Adapter (shared line; 2-wire; subchannel 3)	20	816	2	X	X	X	X	X	X	X	X
4644	IBM Line Adapter (shared line; 2-wire; subchannel 4)	20	816	2	X	X	X	X	X	X	X	X
4647	IBM Line Adapter (leased line; 4-wire)	10	408	1	X	X	X	X	X	X	X	X
4691	IBM Line Adapter (shared line; 4-wire; subchannel 1)	20	816	2	X	X	X	X	X	X	X	X
4692	IBM Line Adapter (shared line; 4-wire; subchannel 2)	20	816	2	X	X	X	X	X	X	X	X
4693	IBM Line Adapter (shared line; 4-wire; subchannel 3)	20	816	2	X	X	X	X	X	X	X	X
4694	IBM Line Adapter (shared line; 4-wire; subchannel 4)	20	816	2	X	X	X	X	X	X	X	X
4790	IBM Line Adapter (limited distance; 2-wire)	10	459	2	X	X	X	X	X	X	X	X
4794	Line Adapter Module	10	489	2	X	X	X	X	X	X	X	X
6350	Shared Line Adapter 4/1 Terminator	5	153	1	X	X	X	X	X	X	X	X
2715-1	Transmission Control Unit (direct attachment to multiplexer channel)	1580	79,100	188	X	X	X	X	X	X	X	X
2715-2	Transmission Control Unit (remote terminal)	1580	79,100	188	X	X	X	X	X	X	X	X
3460	Dual Communications Interface (2715-2 only)	34	1730	1	X	X	X	X	X	X	X	X
3801	Expanded Capability	295	14,800	11	X	X	X	X	X	X	X	X
3874	Extended Distance Repeater, Receive	12	612	3	X	X	X	X	X	X	X	X
3875	Extended Distance Repeater, Send	13	612	3	X	X	X	X	X	X	X	X
4750	Line Transfer Switch	15	765	1	X	X	X	X	X	X	X	X
4751	Line Transfer Switch — 3rd Unit	15	765	1	X	X	X	X	X	X	X	X
4850	Local 2740 Adapter (2715-1 only; std on 2715-2)	93	4700	4	X	X	X	X	X	X	X	X
7705	Synchronous Clock (2715-2 only)	39	1970	1	X	X	X	X	X	X	X	X
8110	Two-Processor Switch (2715-1 only)	83	4200	8	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Data Transmission Multiplexers (Contd.)											
3704-A1	Communications Controller (16kb)	646	26,000	115	X	X	X	X		X	X	X
3704-A2	Communications Controller (32kb)	764	31,000	138	X	X	X	X		X	X	X
3704-A3	Communications Controller (48kb)	881	36,000	161	X	X	X	X		X	X	X
3704-A4	Communications Controller (64kb)	999	41,000	184	X	X	X	X		X	X	X
3705-A1	Communications Controller (16kb; max 64 lines)(3)	1168	48,000	153							X	X
3705-A2	Communications Controller (48kb; max 64 lines)(3)	1678	68,900	185							X	X
3705-B1	Communications Controller (16kb; max 160 lines)(3)	1547	63,600	170							X	X
3705-B2	Communications Controller (48kb; max 160 lines)(3)	2057	84,500	202							X	X
3705-B3	Communications Controller (80kb; max 160 lines)(3)	2566	105,400	235							X	X
3705-B4	Communications Controller (112kb; max 160 lines)(3)	3076	126,300	268							X	X
3705-C1	Communications Controller (16kb; max 256 lines)(3)	1938	79,200	187							X	X
3705-C2	Communications Controller (48kb; max 256 lines)(3)	2446	100,100	220							X	X
3705-C3	Communications Controller (80kb; max 256 lines)(3)	2956	121,000	252							X	X
3705-C4	Communications Controller (112kb; max 256 lines)(3)	3465	141,900	285							X	X
3705-C5	Communications Controller (144kb; max 256 lines)(3)	3964	162,800	318							X	X
3705-C6	Communications Controller (176kb; max 256 lines)(3)	4474	183,700	350							X	X
3705-D1	Communications Controller (16kb; max 352 lines)(3)	2317	94,800	205							X	X
3705-D2	Communications Controller (48kb; max 352 lines)(3)	2826	115,700	237							X	X
3705-D3	Communications Controller (80kb; max 352 lines)(3)	3336	136,600	270							X	X
3705-D4	Communications Controller (112kb; max 352 lines)(3)	3845	157,500	302							X	X
3705-D5	Communications Controller (144kb; max 352 lines)(3)	4355	178,400	335							X	X
3705-D6	Communications Controller (176kb; max 352 lines)(3)	4863	199,300	368							X	X
3705-D7	Communications Controller (208kb; max 352 lines)(3)	5373	220,200	400							X	X
3705-D8	Communications Controller (240kb; max 352 lines)(3)	5882	241,100	433							X	X
1301	Attachment Base Type 1(3)	18	754	1							X	X
1302	Attachment Base Type 2(3)	18	754	1							X	X
1541	Channel Adapter Type 1(3)	101	4180	12							X	X
1542	Channel Adapter Type 2(3)	184	7610	12							X	X
1641	Communication Scanner Type 1(3)	53	2175	8							X	X
1642	Communication Scanner Type 2(3)	179	7350	12							X	X
4650	Business Machine Clock(3)	12	499	1							X	X
4701	Line Interface Base Type 1(3)	41	1710	4							X	X
4702	Line Interface Base Type 2(3)	41	1710	4							X	X
4703	Line Interface Base Type 3(3)	72	2960	3							X	X
4704	Line Interface Base Type 4(3)	47	1960	4							X	X
4708	Line Interface Base Type 8(3)	41	1710	5							X	X
4709	Line Interface Base Type 9(3)	41	1710	4							X	X
4711	Line Set Type 1A(3)	18	754	2							X	X
4712	Line Set Type 1B(3)	19	795	2							X	X
4713	Line Set Type 1C(3)	18	754	2							X	X
4714	Line Set Type 1D(3)	60	2460	7							X	X
4715	Line Set Type 1E(3)	29	1210	3							X	X
4716	Line Set Type 1F(3)	60	2460	7							X	X
4717	Line Set Type 1G(3)	76	3170	8							X	X
4719	Line Set Type 1J(3)	41	1710	3							X	X
4721	Line Set Type 2A(3)	29	1210	5							X	X
4731	Line Set Type 3A(3)	24	1000	2							X	X
4732	Line Set Type 3B(3)	24	1000	2							X	X
4741	Line Set Type 4A(3)	41	1710	5							X	X
4742	Line Set Type 4B(3)	41	1710	6							X	X
4743	Line Set Type 4C(3)	41	1710	6							X	X
4781	Line Set Type 8A(3)	42	1490	6							X	X
4782	Line Set Type 8B(3)	54	1920	8							X	X
4791	Line Set Type 9A(3)	60	2100	12							X	X
8002	Two-Channel Switch(3)	60	2460	4							X	X
	Display Units											
1053-4	Printer	49	1970	10	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Display Units (Contd.)											
1006	Accelerated Carrier Return	3	137	NC	X	X	X	X	X	X	X	X
2250-1	Display Unit and Control	1080	52,200	160	A	X	X	X	X	X	X	X
2250-3	Display Unit (requires 2840-2 Control)	1580	31,600	180	A	X	X	X	X	X	X	X
1002	Absolute Vectors and Control (2250-1 only)	397	15,800	11	A	X	X	X	X	X	X	X
1245	Alphanumeric Keyboard	74	3550	4	A	X	X	X	X	X	X	X
1498	Buffer (4096 bytes; 2250-1 only)	346	16,600	7	A	X	X	X	X	X	X	X
1499	Buffer (8192 bytes; 2250-1 only)	494	23,700	10	A	X	X	X	X	X	X	X
1880	Character Generator (2250-1 only)	372	17,800	16	A	X	X	X	X	X	X	X
4485	Graphic Design Feature (2250-1 only)	321	15,400	14	A	X	X	X	X	X	X	X
4785	Light Pen (2250-1 only)	98	4740	11	A	X	X	X	X	X	X	X
5475	First Operator Control Panel (2250-1 only)	44	1970	NC	A	X	X	X	X	X	X	X
5476	Second Operator Control Panel (2250-1 only)	34	1530	NC	A	X	X	X	X	X	X	X
5855	Programmed Function Keyboard	147	7120	8	A	X	X	X	X	X	X	X
2260-1	Display Station (requires 2848-3 Control)	30	989	9	A	X	X	X	X	X	X	X
2260-2	Display Station (requires 2848-1, 2, 21, or 22 Control)	30	989	9	X	X	X	X	X	X	X	X
3605	Extended Cursor Control Keyboard (alpha-numeric inset)	39	1190	5	X	X	X	X	X	X	X	X
3606	Extended Cursor Control Keyboard (alpha-numeric inset)	30	918	2	X	X	X	X	X	X	X	X
3607	Extended Cursor Control Keyboard (numeric inset)	20	612	1	X	X	X	X	X	X	X	X
4765	Alphanumeric-Numeric Inset Keyboard	29	918	5	X	X	X	X	X	X	X	X
4766	Alphanumeric Keyboard	20	612	2	X	X	X	X	X	X	X	X
4767	Numeric Keyboard	10	306	1	X	X	X	X	X	X	X	X
2265-1	Display Station (requires 2845 Control)	173	5530	41	X	X	X	X	X	X	X	X
4766	Alphanumeric Keyboard	29	918	5	X	X	X	X	X	X	X	X
2840-2	Display Control (for 2250-3 Display)	3950	73,400	143	A	X	X	X	X	X	X	X
3352	Display Multiplexer	397	8160	14	A	X	X	X	X	X	X	X
2845-1	Display Control (for 2265-1 Display and 1053-4 Printer)	173	8460	29	X	X	X	X	X	X	X	X
3301	Destructive Cursor	NC	NC	NC	X	X	X	X	X	X	X	X
4801	Line Addressing	10	459	NC	X	X	X	X	X	X	X	X
7801	Tab	5	183	NC	X	X	X	X	X	X	X	X
7927	1053 Printer Adapter	74	3340	3	X	X	X	X	X	X	X	X
2848-1	Display Control (for 2260-2 Display with up to 240 char per station and 1053-4 Printer)	367	16,000	24	X	X	X	X	X	X	X	X
2848-2	Display Control (for 2260-2 Display with up to 480 char per station and 1053-4 Printer)	397	17,100	24	X	X	X	X	X	X	X	X
2848-3	Display Control (for 2260-1 Display with up to 960 char per station and 1053-4 Printer)	428	18,300	25	X	X	X	X	X	X	X	X
2848-21	Display Control (for 2260-2 Display with up to 240 char per station and 1053-4 Printer)	739	33,300	29	X	X	X	X	X	X	X	X
2848-22	Display Control (for 2260-2 Display with up to 480 char per station and 1053-4 Printer)	790	35,600	29	X	X	X	X	X	X	X	X
3355	Display Adapter (2848-1 only)	40	1530	2	X	X	X	X	X	X	X	X
3356	Display Adapter (2848-2 only)	81	3060	4	X	X	X	X	X	X	X	X
3357	Display Adapter (2848-3 only)	102	3840	5	X	X	X	X	X	X	X	X
3368	Display Adapter (2848-21 only)	59	2670	2	X	X	X	X	X	X	X	X
3369	Display Adapter (2848-22 only)	118	5340	3	X	X	X	X	X	X	X	X
3858	Expansion Unit (2848-1, 2 only)	56	2300	NC	X	X	X	X	X	X	X	X
3859	Expansion Unit (2848-1, 2, 3 only)	45	1870	NC	X	X	X	X	X	X	X	X
3868	Expansion Unit (2848-21, 22 only)	49	2220	NC	X	X	X	X	X	X	X	X
3901	Extended Cursor Control	45	1690	1	X	X	X	X	X	X	X	X
4787	Line Addressing	10	459	2	X	X	X	X	X	X	X	X
5340	Non-Destructive Cursor	10	438	1	X	X	X	X	X	X	X	X
5341	Non-Destructive Cursor Adapter	5	219	1	X	X	X	X	X	X	X	X
7927	1053 Printer Adapter (2848-1, 2 only)	40	1530	4	X	X	X	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: 360/22/25	360/30	360/40/50	360/65/67	360/75	370/125	370/135/145	370/155/158/165/168
	Display Units (Contd.)											
7928	1053 Printer Adapter (2848-3 only)	40	1530	4	X	X	X	X	X	X	X	X
7938	1053 Printer Adapter (2848-21, 22 only)	104	4670	6	X	X	X	X	X	X	X	X
3272-1	Control Unit (for 3277-1 Display, 3284-1 Printer and 3286-1 Printer)	193	7650	11	B	X	X	X	X	X	X	X
3272-2	Control Unit (for 3277-1/-2 Display, 3284-1/-2 Printer and 3286-1/-2 Printer)	209	8360	24	B	X	X	X	X	X	X	X
3250	Device Adapter	56	1090	1	B	X	X	X	X	X	X	X
3277-1	Display Station (480 char)	76	3460	7	B	X	X	X	X	X	X	X
3277-2	Display Station (1920 char)	112	4480	16	B	X	X	X	X	X	X	X
1090	Audible Alarm	5	204	1	B	X	X	X	X	X	X	X
4600	Operator Identification Card Reader	15	612	3	B	X	X	X	X	X	X	X
4630	Keyboard (66-key, EBCDIC typewriter)	15	612	5	B	X	X	X	X	X	X	X
4631	Keyboard (66-key, EBCDIC data entry)	15	612	6	B	X	X	X	X	X	X	X
4632	Keyboard (78-key, operator console)	35	1420	11	B	X	X	X	X	X	X	X
4633	Keyboard (78-key, EBCDIC typewriter)	30	1220	7	B	X	X	X	X	X	X	X
4634	Keyboard (66-key, ASCII typewriter)	15	612	5	B	X	X	X	X	X	X	X
4635	Keyboard (78-key, ASCII typewriter)	30	1220	7	B	X	X	X	X	X	X	X
4690	Keyboard Numeric Lock	NC	NC	NC	B	X	X	X	X	X	X	X
6340	Security Keylock	35S	35	NC	B	X	X	X	X	X	X	X
6350	Selector Light Pen	25	1020	2	B	X	X	X	X	X	X	X
3284-1	Printer (40 cps)	153	5960	29	B	X	X	X	X	X	X	X
3284-2	Printer (40 cps)	163	6690	29	B	X	X	X	X	X	X	X
4450	Forms Stand	—	50	NC	B	X	X	X	X	X	X	X
3286-1	Printer (66 cps)	183	7520	29	B	X	X	X	X	X	X	X
3286-2	Printer (66 cps)	193	8330	29	B	X	X	X	X	X	X	X
4450	Forms Stand	—	50	NC	B	X	X	X	X	X	X	X

Notes:

TM — Time and material basis
NC — No Charge
S — Single Use Charge

(1)System configurations require the following specific processor storage models for each processor (12 possible model configurations):

Processor	Model	Capacity (kb)	Quantity 3360-1	Quantity 3360-2	Quantity 3360-3	Quantity 3360-4	Quantity 3360-5
3155	H	262	1				
3155	HG	393		1			
3155	I	524			1		
3155	HI	756	1		1		
3155	J	1049			2		
3155	JI	1573			3		
3155	K	2097			4		
3165	I	524				2	
3165	J	1049					2
3165	JI	1573				2	2
3165	K	2097					4
3165	KJ	3146					6

The preceding chart specifies the models and number of storage modules used with each processor. No deviation from the chart is permitted.

(2)Fixed-term leases are available on most disc and tape devices and printers. Reductions are 8% for 12- to 23-month contracts and 16% for 24-month contracts.

(3)Extended-term lease is available. Reduction is 15% for 24-month contract.

(4)Except on 370/125, attaches via 3505-B1 or B2 with either 3525 Punch Adapter or 3525 Read Punch Adapter.

Configuration Codes:

A — Used with Model 360/22 only.
B — Used with Model 360/25 only.
C — Used with Model 360/40 only.
D — Used with Model 360/50 only.
E — Used with Model 360/65 only.
F — Used with Model 360/67 only.
G — Used with Model 370/135 only.
H — Used with Model 370/145 only.
I — Used with Models 370/155/158 only.
J — Used with Models 370/165/168 only.
X — Used with configuration listed.

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations					
					DOS	DOS/VS	OS	OS/VS1	OS/VS2	VM/370
	System/360 and System/370 Program Products — Application									
5736-F32	Active Certificate Information	306	—	—	X					
5736-N11	Advanced Life Information System, V2	510	—	—	X	X				
5736-N14	Alpha Search Inquiry System	204	—	—	X	X	X	X	X	X
5734-XM6	APL	408	—	—			X			X
5736-XM6	APL	280	—	—	X					X
	Automatically Programmed Tool									
5740-M51	Basic Positioning	153	—	—						
5740-M52	Intermediate Contouring	306	—	—						
5740-M53	Advanced Contouring	510	—	—						
5736-G26	Basic Courts System	637	—	—	X	X				
5734-XX9	Bill Processor System — IMS/360 Bridge	153	—	—			X	X	X	X
5736-F31	Brokerage Account System Elements	816	—	—	X					
5736-G25	Budget Accounting Information System (BACIS)	265	—	—	X	X				
5734-F51	Budgets & Plans Generator (BUDPLAN)	153	—	—						
5734-XMB	Business Analysis/Basic	51	—	—	X	X	X	X	X	X
5736-M12	Capacity Planning — Finite Loading	229	—	—	X	X				
5734-M54	Capacity Planning — Finite Loading	280	—	—			X	X	X	X
5736-M11	Capacity Planning — Infinite Loading	76	—	—	X	X				
5734-M53	Capacity Planning — Infinite Loading	102	—	—			X	X	X	X
5736-XX2	CATALIST	1,220	—	—	X	X				
5736-N13	Consolidated Functions Ordinary (CEO II)	306	—	—	X	X	X	X	X	X
5736-D31	Consumer Goods System — Allocation	153	—	—	X	X				
5734-D32	Consumer Goods System — Allocation	153	—	—			X	X	X	X
5736-D32	Consumer Goods System — Forecasting	204	—	—	X	X				
5734-D33	Consumer Goods System — Forecasting	204	—	—			X	X	X	X
	Continuous System Modeling									
5734-XS9	Program III (CSMP III)	91	—	—			X			
5734-XS9	Graphic CSMP III	346	—	—			X			
5736-E11	Coursewriter III	204	—	—	X	X				
5734-E13	Coursewriter III	280	—	—			X	X	X	X
	Customer Information Control System (CICS)									
5736-XX6	DOS/ENTRY	204	—	—	X	X				X
5736-XX7	DOS/STANDARD	510	—	—	X	X				X
5734-XX7	OS/STANDARD Version 2	714	—	—			X	X	X	X
5736-XS2	DATA/360	51	—	—	X					
5734-XS3	DATA/360	102	—	—			X			
5734-XS8	DATA/360 II	127	—	—	X		X			
5736-XX4	Data Base Organization and Maintenance Processor	102	—	—	X	X				X
5736-XX4	CICS Feature	76	—	—	X	X				
5746-XX1	Data Language/I	306	—	—	X	X	X	X	X	X
5734-XC1	Display Management System	188	—	—			X			
5734-EE1	Electronic Circuit Analysis Program II	173	—	—			X			
	EPIC									
5734-E91	SOCRATES	178	—	—	X	X	X	X	X	X
5735-E92	FAST	96	—	—	X	X	X	X	X	X
5735-E93	Budget/Finance	112	—	—	X	X	X	X	X	X
5735-E94	Student	81	—	—	X	X	X	X	X	X
5736-T11	Fare Quote/Ticketing	2,850	—	—	X					
5736-T11	Tariff Maintenance Feature	5,810	—	—	X					
5736-D11	Fashion Reporter System	168	—	—	X	X				X
5746-G22	FASTER-LC	102	—	—	X	X				
5736-G24	FASTER MT	290	—	—	X	X				
5734-G21	FASTER MT	459	—	—			X	X	X	
5736-F12	Financial Terminal System	408	—	—	X	X				
5736-XS4	Forecasting & Modeling System (FAMS)	204	—	—	X	X				
5734-XS7	Forecasting & Modeling System (FAMS)	204	—	—			X	X	X	
5734-XX1	Generalized Info System/2	459	—	—			X	X	X	X
5734-XX1	DL/1 Query Support Feature	153	—	—			X	X	X	X
5734-XX1	File Update & Create Feature	408	—	—			X	X	X	X
5734-XX1	Formal Report Feature	102	—	—			X	X	X	X
5734-XX1	Hierarchic File Support	127	—	—			X	X	X	X
5734-XX1	Utility Feature	76	—	—			X	X	X	X
5734-XX1	Teleprocessing Support	51	—	—			X	X	X	X
5734-XX1	Edit and Encode Feature	76	—	—			X	X	X	X
5734-XX1	File Modify Feature	51	—	—			X	X	X	X
5734-XX1	Extended Multi-File Support	76	—	—			X	X	X	X
5734-XS2	GPSS V	56	—	—			X	X	X	X
5736-XS3	GPSS V	56	—	—	X					
5734-XX2	Graphic Analysis of Three-Dimensional Data	306	—	—			X			
5736-H15	Health Care Support/Electrocardiogram Analysis	357	—	—	X					
5746-H14	Health Care Support/Accounting System Feature 6001 or 6002	204	—	—	X					
5746-H12	Health Care Support/Lab Info	255	—	—	X					
5736-H13	Health Care Support/Data Communications	300	—	—						
	Information Management System (IMS)									
5734-XX6	Version 2	561	—	—			X			

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations					
					DOS	DOS/VS	OS	OS/VS1	OS/VS2	VM/370
	System/360 and System/370 Program Products — Application (Contd.)									
5734-XX6	IMS/Data Communication Support	637	—	—			X	X	X	X
5734-XX6	Interactive Query Facility	306	—	—			X	X	X	X
5734-XXC	Interactive Training System	229	—	—			X	X	X	X
5734-M52	Inventory Control	178	—	—			X	X	X	X
5736-G21	Law Enforcement Manpower Resource Allocation System	357	—	—	X					
5734-XM4	Mathematical Programming System Extended	132	—	—			X	X	X	X
5734-XM4	Generalized Upper Bounding	663	—	—			X	X	X	X
5734-XM4	MIP	229	—	—	X					
5734-XMC	Matrix Generator & Report Writer	408	—	—			X			
5734-XP3	MINIPERT	153	—	—	X		X			
5736-D41	Order Allocation System	127	—	—	X					
5736-N22	PALIS Additional File Facility	255	—	—	X	X				X
5736-N21	PALIS Additional Functions	306	—	—	X	X				X
5736-N24	PALIS Automobile Enhancements	229	—	—	X	X				X
5736-N25	PALIS Homeowners Enhancements	229	—	—	X	X				X
5736-XT1	Planning System Generator	81	—	—	X	X				X
5734-XT1	Planning System Generator II	81	—	—			X	X	X	X
5736-U12	Power System Planning	306	—	—			X	X		X
5736-U12	Power Flow Output & Capacity	91	—	—			X	X		X
5736-U12	Short Circuit Ro Feature	76	—	—			X	X		X
5734-XM3	Procedure Library-Mathematics (PL-MATH)	102	—	—			X	X	X	X
5734-XP4	Project Management System IV	51	—	—			X	X	X	X
5734-XP4	Network Processor Feature	51	—	—			X	X	X	X
5734-XP4	Cost Processor Feature	51	—	—			X	X	X	X
5734-XP4	RAP Feature	204	—	—			X	X	X	X
5734-F34	Registered Representative System	12,240	—	—			X			
5734-M51	Requirements Planning	204	—	—			X	X	X	X
5736-XP2	Resource Allocation Facility	173	—	—	X					
5734-F32	Securities Order Matching	2,140	—	—						
5736-H12	Shared Laboratory Info System	255	—	—	X					
5736-M31	Shop Floor Control	102	—	—	X	X				
5734-M31	Shop Floor Control	158	—	—			X	X	X	X
5734-XXB	Simulation Language (SIMPL/I)	255	—	—						
5734-XR3	Storage and Information Retrieval System (STAIRS)	510	—	—			X	X	X	X
5736-XM7	Subroutine Library-Mathematics (SL-MATH)	102	—	—	X	X	X	X	X	X
5734-F31	Telecommunications Control System	2,550	—	—	X	X				X
5736-K12	Text Processor — PAGINATION/360	459	—	—	X	X				X
5736-XM3	Vehicle Scheduling Program Extended	102	—	—	X	X				X
5734-XM5	Vehicle Scheduling Program Extended	178	—	—			X	X	X	X
	System/360 and System/370 Program Products									
5734-AS1	Assembler H	229	—	—			X	X	X	X
5734-UT2	ASCII Data Set Utilities	102	—	—			X	X	X	X
5736-UT2	ASCII Magnetic Tape Utilities	102	—	—	X	X				X
5736-CB1	ANS Subset COBOL Compiler & Library	153	—	—	X	X				X
5736-CB4	Cobol Interactive	224	—	—			X		X	
5736-CB2	Full ANS Cobol V3 Compiler (DOS/3330)	56	—	—	X	X				X
5734-CB2	Full ANS Cobol Compiler and Library	178	—	—			X	X	X	X
5734-FO1	Code and Go Fortran Compiler	280	—	—			X	X	X	X
5734-FO2	Fortran IV (G1) Compiler	66	—	—			X	X	X	X
5734-FO5	Fortran Interactive	153	—	—			X		X	
5734-LM1	Fortran IV Library (Mod I)	66	—	—			X	X	X	X
5734-LM3	Fortran IV Library (Mod II)	91	—	—			X	X	X	X
5736-LM1	Fortran IV Library ASCII	51	—	—	X					
5734-FO3	Fortran IV Compiler (H Extended)	265	—	—			X	X	X	X
5734-RC1	ITF PL/1	122	—	—			X	X	X	X
5734-RC2	ITF PL/1 — TSO Feature	122					X		X	
5736-RC1	ITF PL/1	122	—	—	X	X				X
5734-PL2	PL/1 Checkout Compiler	346	—	—			X	X	X	X
5736-PL3	PL/1 Optimizing Compiler & Library	255	—	—	X					
5734-PL3	PL/1 Optimizing Compiler & Library	255	—	—			X	X	X	X
5736-RG1	RPG II	96	—	—	X	X				X
5734-SM1	Sort/Merge	61	—	—			X	X	X	X
5734-UT1	TSO Data Utilities	147	—	—			X		X	
5734-UT3	Basic Unformatted Read Systems	51	—	—			X	X	X	
5734-UT1	Basic Unformatted Read Systems	51	—	—	X	X				
5734-RC5	Video/370	214	—	—			X	X	X	X
5736-RC3	Video/370	214	—	—	X	X				

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations
	SYSTEM: ICL 1902A				
	Minimum 1902A Magnetic Tape System				
2015/1	Processor (12K wds memory; 4-std interface I/O channels; console typewriter)				
1971/2	Magnetic Tape System (20.8 kc/sec; controller and 4 drives)				
2102	Card Reader (300 cpm)				
2401/2	Line Printer (300-355 lpm)	4,500	183,000	515	
	Typical 1902A 6 Tape System (std AUERBACH Configuration III)				
2015/1	Processor (12K wds memory; 4-std interface I/O channels; console typewriter)				
1972/1	Magnetic Tape System (41.7 kc/sec; controller and 2 drives)				
1972/2	Magnetic Tape System (41.7 kc/sec; controller and 4 drives)				
2104	Card Reader (600 cpm)				
1920	Card Punch (100 cpm)				
2402/2	Line Printer (600-750 lpm)	7,518	296,750	965	
	Minimum 1902A Disc System				
2015/2	Processor (16K words memory; 4-std interface I/O channels; console typewriter)				
2102	Card Reader (300 cpm)				
2401/2	Line Printer (300-355 lpm)				
2813/2	EDS 30 Disc System (60 mc; control and 2 drives)	5,163	210,500	563	
	Basic 1902A Driver/Datastream System (consists of Minimum 1902A Disc System plus the following devices)				
7180/2	Local Visual Display Control Unit				
7181/4	Local Visual Display Unit (with keyboard)	5,700	231,500	662	
7181/4	Additional Local Visual Display Unit (with keyboard)	138	4,750	27	
	Basic 1902A MiniMOP 1 Time-Sharing System (consists of Minimum 1902A Disc System) incl.				
7930/3	Scanner (for up to 16 lines)				
7930/9	Scanner-Selector				
7071/8	Teletypewriter Terminal (ASR; 10 cps)	5,688	229,450	625	
7071/8	Additional Teletypewriter Terminal	103	2,075	25	
	Typical 1902A Disc/Tape System (std AUERBACH Configuration IVR)				
2015/2	Processor (16K words memory; 4-std interface I/O channels; console typewriter)				
F1097	Additional Standard Interface I/O Channel				
1973/2	Magnetic Tape System (60 kc/sec; controller and 4 drives)				
2101/1	Card Reader (1,200 cpm)				
2151	Card Punch (300 cpm)				
1933/2	Line Printer (1,100-1,350 lpm)				
2813/2	EDS 30 Disc Subsystem (with 2 drives; 60-mc on-line)	9,925	388,500	1,300	
	SYSTEM: ICL 1902S				
	1902S Configurations (are identical to corresponding 1902A systems except processor has been replaced by 2025/3 Processor with 16K words memory)				
	Typical 1902S Magnetic Tape System (std AUERBACH Configuration III)	9,555	376,750	1,078	
	Minimum 1902S Disc System	6,680	268,000	650	
	Basic 1902S Driver/Datastream System	7,218	289,000	710	
	Basic 1902S MiniMOP 1 System	7,175	286,950	700	
	Typical 1902S Disc/Tape System (std AUERBACH Configuration IVR)	11,425	446,000	1,388	
	Minimum 1902S GEORGE 3 System (a Typical 1902S Disc/Tape System incl.)				
2025/5	Processor (48K words memory)				
F1125	Scientific Computing Feature				
F1126	Real-Time Clock				
F1127	Program Timer	14,175	560,000	1,550	
	SYSTEM: ICL 1903A				
	1903A Configurations (are identical to corresponding 1902S systems except processor has been replaced by 2030/3 Processor with 16K wds memory)				
	Minimum 1903A Disc System	8,325	337,250	738	

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations
	Typical 1903A Disc/Tape System (std AUERBACH Configuration IVR)	13,075	515,250	1,475	
	Minimum 1903A GEORGE 3 System	15,825	629,250	1,638	
	Typical 1903A GEORGE 3 MOP Database System (100 mc; std AUERBACH Configuration VIIIR)				
2030/6	Processor (64K wds memory; 4-std interface channels; console typewriter)				
F1097	3 Additional Standard Interface Channels				
F1125	Scientific Computing Feature				
F1126	Real-Time Clock				
F1127	Program Timer				
2101/0	Card Reader (1,200 cpm)				
2151/1	Card Punch (300 cpm)				
1933/2	Line Printer (1,100-1,350 lpm)				
2509/1	2 Magnetic Tape Systems (160 kc/sec; 2 controllers and 4 drives)				
2813/4	EDS 30 Disc Subsystem (with 4 drives and 2812/2 control unit; 120 mc)				
7903	Communications Processor (16K wds)				
7930/1	Universal Scanner (16 lines)				
7930/9	Scanner-Selector	23,850	950,875	2,413	
	SYSTEM: ICL 1903T				
	Minimum 1903T GEORGE 3 System				
2043/0	1903T Processor (includes hardware accumulators; program timer; real-time clock; 6 std interface I/O channels; PAC with 4 fast peripheral channels; and console typewriter)				
2043/3	Semiconductor Memory (64K wds; 800-nsec cycle time)				
F1160	Autonomous Floating Point Unit				
1933/2	Line Printer (1,100-1,350 lpm)				
1973/2	Magnetic Tape System (60 kc/sec; 4 drives and 1 controller)				
2101/0	Card Reader (1,200 cpm)				
2813/2	EDS 30 Disc System (with 2 drives; 60 mc)	18,988	773,750	1,575	
	Typical 1903T GEORGE 3 MOP Database System (std AUERBACH Configuration VIIIR)				
2509/1	Substitute in Minimum 1903T GEORGE 3 System 2 Magnetic Tape Systems (160 kc/sec; 2 controllers and 4 drives; replaces 1973/2)				
2815/3	EDS 60 Disc System (with 3 drives; 180 mc; replaces 2813/2)				
2151	Additions to Minimum 1903T GEORGE 3 System Card Punch (300 cpm)				
7903	Communications Processor (16K wds)				
7930/1	Universal Scanner (16 lines)				
7930/9	Scanner-Selector	24,318	992,375	2,280	
	Minimum 1903T Paging (Virtual Memory) System Using GEORGE 3				
2043/0	1903T Processor (includes hardware accumulators; program timer; real-time clock; 6 std interface I/O channels; PAC with 4 fast peripheral channels; and console typewriter)				
F1160	Autonomous Floating Point Unit				
F1162	High-Speed I/O Channel				
F1165	Paging Unit				
2043/5	Semiconductor Memory (96K wds; 800-nsec cycle time)				
2101/0	Card Reader (1,200 cpm)				
2102/1	Card Reader (300 cpm)				
1933/2	Line Printer (1,350 lpm)				
2401/2	Line Printer (300 lpm)				
1973/2	Magnetic Tape System (60 kc/sec; controller and 4 drives)				
2813/2	EDS 30 Disc System (with 2 drives; 60 mc on-line)				
2851/1	High-Speed Drum Control Unit				
2851/4	High-Speed Drum (325 kc/sec; 512 kb on-line)	26,895	1,097,500	2,195	
	SYSTEM: 1904S				
	Minimum 1904S GEORGE 3 System (same as 1903T GEORGE 3 except for following devices)				
2046/0	1904S Processor (same features as 1903T Processor)				
2046/3	Semiconductor Memory (64K words; 500-nsec cycle time)	21,943	899,375	1,705	
	Typical 1904S GEORGE 3 MOP Database System (100 mc; std AUERBACH Configuration VIIIR; includes minimum 1904S GEORGE 3 System, substituted in Typical 1903T GEORGE 3 MOP Database System)	10,910	1,117,925	2,413	

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations
	Minimum 1904S Paging (Virtual Memory) System Using GEORGE 3 (same as min 1903T Paging System, using GEORGE 3 except for following devices)				
2046/0	1904S Processor (same features as 1903T Processor)				
2046/5	Semiconductor Memory (96K words; 500-nsec cycle time)	29,850	1,223,125	2,325	
	SYSTEM: 1906A				
	1906A Configurations (are identical to corresponding 1903T systems except processor and memory have been replaced by the following devices)				
2082/0	1906A Processor (includes hardware accumulators; instruction lookahead registers; program timer; real-time clock; and peripheral processing unit with 10 slow and 4 fast I/O channels)				
2082/2	Core Memory (128K words; 750-nsec cycle time; 2-way interleaving)				
	Minimum 1906A GEORGE 3 System	35,550	1,528,750	2,150	
	Typical 1906A GEORGE 3 MOP Database System (100 mc; std AUERBACH Configuration VIIIR)	41,660	1,736,125	2,810	
	Minimum 1906A Paging (Virtual Memory) System (using GEORGE 3)	42,043	1,792,500	2,705	
	SYSTEM: 1906S				
	1906S Configurations (are identical to corresponding 1903T systems except processor and memory have been replaced by the following devices)				
2085/0	1906S Processor (same features as 1906A Processor)				
2085/2	Plated Wire Memory (128K words; 300-nsec cycle time; 2-way interleaving)				
	Minimum 1906S GEORGE 3 System	45,755	1,961,250	2,625	
	Typical 1906S GEORGE 3 MOP Database System (std AUERBACH Configuration VIIIR)	51,855	2,168,750	3,275	
	Minimum 1906S Paging (Virtual Memory) System (using GEORGE 3)	52,240	2,225,000	3,170	

Note:

(1) Prices have been converted into U.S. dollars at the rate of $2.50 = 1 pound.

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	SYSTEM: Century 101 (2)			
	Basic System	2,025	89,520	325
615-101	Processor			
7001	16K Byte Memory			
682-101	Card Reader			
649-300	Line Printer (300 lpm)			
656-102	Disc Unit (4.9 mb)			
6561	Disc Unit Controller (single disc unit)			
6562	Fixed Disc (4.9 mb)			
	Century 101 Basic System Substitutions (3)			
615-101	Processor:			
/7002	24K Memory	175	7,875	10
/7003	32K Memory	300	13,500	15
/7004	48K Memory	600	27,000	25
/7005	64K Memory	900	40,000	35
662-100	Paper Tape Reader (1,000 cps)	NC	NC	-15
640-102	Integrated Printer (450-900 lpm)	150	10,100	5
640-102/ 626-101	Printer with Controller (450-900 lpm) (4)	300	17,350	5
640-300	Integrated Printer (1,200 lpm) (4)	575	23,800	30
640-300/ 626-101	Printer with Controller (1,200 lpm) (4)	675	28,800	30
657-102/ 625-201	Disc Unit and Controller (60 mb; 315 kb/sec)	1,220	57,605	40
655-201/ 625-101	Disc Unit and Controller (8.4 mb)	345	16,455	30
	Century 101 Additional Equipment			
6001	Multiply/Divide	100	4,500	10
6002	Integrated Communication Multiplexor	175	7,875	40
6003	I/O Common Trunks 1 and 6	100	4,500	10
6010	Logic Command	50	2,350	NC
6101	Teletype I/O Writer (with interface)	100	4,000	15
6102	Thermal I/O Writer (with interface)	150	6,250	15
6006	640-102 Integrated Printer Controller	75	3,375	10
6007	640-300 Integrated Printer Controller	125	5,625	10
615-951	Auxiliary Cabinet	25	800	NC
9511	640 Integrated Printer Attachment	75	3,375	15
6106	Software Initiated Alarm	10	400	2
6107	Remote Audible Alarm	20	800	1
6108	Extra Loud Alarm	20	800	—
656-102	Disc Unit (4.9 mb)	225	9,195	47
6561	Disc Unit Controller	150	6,750	25
6562	Fixed Disc (4.9 mb)	95	4,275	15
6563	Dual Disc Attachment	10	450	2
	SYSTEM: Century 200 (2)			
	Basic System			
615-200	Processor			
617-100	32K Byte Memory			
682-100	Card Reader (300 cpm)			
640-200	Printer (1,500 lpm; 132 col) (4)			
655-201	Disc Unit (8.4 mb; 108 kb/sec)			
625-101	Disc Control Unit	4,400	183,500	520
	Century 200 Basic System Substitutions (3)			
615-200	Processor:			
/617-150	48K Rod Memory	690	28,000	NC
/617-205	64K Memory	950	41,000	NC
/617-255	96K Memory	1,500	61,500	NC
/617-305	128K Memory	2,000	82,000	NC
/617-355	192K Memory	3,000	123,000	25
/617-405	256K Memory	4,000	164,000	45
/617-455	384K Memory	6,000	246,000	105
/617-505	512K Memory	8,000	328,000	170
662-100	Paper Tape Reader (1,000 cps)	NC	NC	-15
640-205	OCR Printer (750/1500 lpm; 132 col)	100	2,800	10
640-210	Printer (1,500 lpm; 160 col) (4)	100	4,250	NC
640-215	OCR Printer (750/1500 lpm; 160 col)	200	7,050	10
640-300	Printer (600 lpm; 132 col) (4)	-250	-10,050	-25
625-201/ 657-102	Disc Unit and Controller (60 mb; 315 kb/sec)	875	41,150	10
6216	Thermal I/O Writer	50	2,250	NC
	Century 200 Additional Equipment			
6106	Software Initiated Alarm	10	400	1
6107	Remote Audible Alarm	20	800	1
6201	Command (table compare and logic; reqrd with feature 6209)	50	2,350	5
6202	Multiply	50	2,350	5
6204	Floating Point	150	7,050	10
6206	1401 Compatibility (includes feature 6201)	125	5,875	10
6207	Console Debug	25	1,175	5
6208	Extra Loud Alarm	20	800	1
6209	Multi-Programming (includes 6212; reqrd 6201)	300	14,100	10
6210	1 High Speed Trunk	50	2,350	5
6211	2 High Speed Trunks	100	4,700	5
6212	Octaplex (includes 6211)	200	9,400	5
6213	315 Compatibility (includes 6201)	100	4,700	5
6214	1401 Compatibility (includes 6201)	125	5,875	10
6215	Interval Timer	30	1,200	5
6217	Remote Teletype I/O Writer (with up to 50 ft cable; additional cable, $1.50/ft)	125	5,000	10
6218	Remote Thermal I/O Writer (with up to 50 ft cable; additional cable, $1.50/ft)	175	7,250	10
	SYSTEM: Century 251			
	Basic System			
615-251/ 618-053	Processor/w 96K Bytes	6,800	319,600	1,050
	Century 251 Basic System Substitutions (3)			
615-251	Processor:			
/618-103	128K Memory	200	9,400	30
/618-153	192K Memory	1,100	51,700	155
/618-203	256K Memory	2,000	94,000	280
	Century 251 Additional Equipment			
6370	32K Byte Memory Extension	200	9,400	30
6371	First 64K Byte Memory Extension	900	42,300	125
6372	Second 64K Byte Memory Extension	900	42,300	125
6361	Additional Trunks	300	14,000	20
6362	Time-of-Day Clocks	50	2,200	NC
6380	Performance Package 96-128K Bytes	2,400	112,800	300
6381	Performance Package 128-128K Bytes	2,200	103,400	270
6382	Performance Package 192-256K Bytes	3,900	183,300	395
6383	Performance Package 256-256K Bytes	3,000	141,000	270
6360	Additional Trunks	300	14,000	20
	SYSTEM: Century 300			
	Basic System			
615-300/ 618-100	Processor/w 128K Bytes	9,200	432,400	1,350
	Century 300 Basic System Substitutions (3) (5)			
615-300	Processor:			
/618-200	256K Memory	2,600	122,200	250
/618-300	384K Memory	5,100	239,700	500
/618-400	512K Memory	7,500	352,500	750
	Century 300 Additional Equipment (6)			
618-100	128K Memory	3,500	164,500	300
618-200	256K Memory	6,100	286,700	550
618-300	384K Memory	8,600	404,200	800
618-400	512K Memory	11,000	517,000	1,050
6302	Back-Up Memory Ports	135	6,200	NC
6303	Time-of-Day Clock (in memory)	50	2,200	NC
6304	Very High Speed Trunks	250	11,500	50
6301	1st 128K Byte Memory Extension	2,600	122,200	250
6310	2nd 128K Memory Extension	2,500	117,500	250
6311	3rd 128K Memory Extension	2,400	112,800	250
	INTERCONNECTION FEATURES			
620-301*	Common Trunk Switching Unit	175	8,750	5
620-302*	Central Switching Controller (complete freestanding unit)	300	15,000	10
6903*	1 x 2 Switch Module (for 301 and 302)	35	1,750	5
6904*	2 x 1 Switch Module (for 301 and 302)	45	2,250	5
6905*	2 x 2 Switch Module (for 301 and 302)	65	3,250	5
622-201	For 736 Magnetic Tape Encoders	175	8,250	10
622-601	Processor Intercoupler	300	14,750	30
627-201	Emulator with 315 Feature (5)	250	11,750	32
627-202	Emulator with 1401 Feature (5)	175	8,000	26
627-203	Emulator with 315 and 1401 Features (5)	400	18,500	57

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: CENTURY 101	CENTURY 200	CENTURY 231	CENTURY 300
	MASS STORAGE							
	Disc Units							
655-201	108 kb/sec Common Trunk Unit (requires 625-101 control unit)	600	26,500	115	X	X	X	X
955-1	655 Disc Pack	12	350	NC	X	X	X	X
657-101	Single Spindle Disc Unit	575	26,450	90			X	X
657-102	Dual Spindle Disc Unit	900	41,400	100			X	X
957-1	657 Disc Pack	12	425	NC	X	X	X	X
6571	Conversion from 657-101 to 657-102	325	14,950	10	X	X	X	X
	Disc Controllers							
625-101	Control Unit (for 655-201)	300	14,000	15	X	X	X	X
625-201	Control Unit (for 657-101; requires high-speed trunk on Century 200)	875	40,250	40	X	X	X	X
625-202	Control Unit (for 657-102)	1,075	49,450	90			X	X
	Magnetic Cards							
653-101	CRAM Unit (145 mb; 83 kb/sec)	1,250	60,000	140	X	X	X	X
653-201	CRAM Control Unit	300	14,000	20	X	X	X	X
	CRAM Deck	—	450	NC	X	X	X	X
	INPUT/OUTPUT							
	Magnetic Tape							
	(9-track, 1,600 bpi; Phase Modulated.)							
633-111	Single Transport (80 kb/sec)	400	19,500	60	X	X	X	X
633-121	Dual Transport (80 kb/sec)	750	36,000	90	X	X	X	X
624-111	Transport Controller	450	21,000	20	X	X	X	X
633-211	Single Transport (144 kb/sec; requires high speed trunk)	500	24,000	60	X	X	X	X
624-211	Transport Controller	500	24,000	20	X	X	X	X
633-311	Single Transport (240 kb/sec; requires high speed trunk)	550	25,500	60	X	X	X	X
624-311	Transport Controller	550	25,500	20	X	X	X	X
633-119	Transport (9-channel)	350	17,000	65	X	X	X	X
624-119	Controller	300	14,000	20	X	X	X	X
633-117	Transport (7-channel)	350	17,000	65	X	X	X	X
624-179	7- and 9-Track Controller	350	16,500	20	X	X	X	X
	Paper Tape							
660-101	Paper Tape Reader (1,500 cps)	300	14,750	35	X	X	X	X
665-101	Paper Tape Punch (200 cps)	375	18,000	55	X	X	X	X
	Punched Card							
680-201	Reader (1,200 cpm)	650	32,500	120	X	X	X	X
686-201	Reader (750 cpm)	300	14,750	75	X	X	X	X
686-311	Punch (60-180 cpm)	300	14,750	115	X	X	X	X
686-302	Punch (82-240 cpm)	400	20,500	115	X	X	X	X
687-301	Punch (with 622-701 Controller, 100 cpm)	325	15,500	95	X	X	X	X
686-111	Reader/Punch (reads 560 cpm; punches 60-180 cpm)	400	20,500	115	X	X	X	X
686-102	Reader/Punch (reads 800 cpm; punches 83-294 cpm)	500	24,000	115	X	X	X	X
	Printers (4)							
640-102	Printer (450 lpm; 132 col)	575	27,500	60	X	X	X	X
640-200	Printer (1,500 lpm; 132 col)	1,200	49,000	110		X	X	X
640-210	Printer (1,500 lpm; 160 col)	1,300	53,250	110		X	X	X
640-300	Printer (600 lpm; 132 col)	950	38,950	85	X	X	X	X
649-300	Printer (300 lpm)	575	24,150	80	X	X	X	X
640-122 -132	Printer (200 or 300 lpm; 132 col)	NA	NA	NA				X
640-205	OCR Printer (750/1500 lpm; 132 col)	1,300	51,800	120				
640-215	OCR Printer (750/1500 lpm; 160 col)	1,400	56,050	120				
626-101	Printer Control Unit	300	14,000	25	X	X		X
6401	6/8 Lines/Inch (for 640-102, 122, & 132)	25	1,000	NC	X	X	X	X
6491	6/8 Lines/Inch (for 649-300)	15	675	1		X	X	X
6402	640-200 Continuous Form Tab Set Handling Feature	10	300	2	X	X	X	X
	Magnetic Ink Character Readers							
670-101	MICR Sorter (600 dpm; 11 pockets)	990	45,000	150	X	X	X	X
622-401	MICR Sorter Controller	200	15,100	10	X	X	X	X
671-101	MICR Sorter (1,200 dpm; 18 pockets)	2,350	117,500	530	X	X	X	X
6711	Endorser Feature	300	12,000	45	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations CENTURY 101	CENTURY 200	CENTURY 251	CENTURY 300
	Optical Character Readers							
420-1	OCR (requires 622-301 Controller)	1,200	48,000	184	X	X	X	X
420-2	OCR (requires 622-301 Controller)	1,700	68,000	265	X	X	X	X
622-301	OCR Controller	150	7,000	10	X	X	X	X
	DATA COMMUNICATIONS							
621-101	Communications Multiplexor (15 lines)	300	15,000	40	X	X	X	X
621-102*	Communications Multiplexor (250 lines)	475	22,750	45	X	X	X	X
6921	End of Message Feature (for 621-102 only)	20	950	NC	X	X	X	X
690-101	621-101 Auxiliary Cabinet	50	2,500	—	X	X	X	X
690-201	621-102 Auxiliary Cabinet	250	12,500	5	X	X	X	X
692-100	Asynchronous Character Adapter	65	3,250	10	X	X	X	X
692-401	Asynchronous Polling Adapter (1 line/cage)	100	5,000	10	X	X	X	X
692-402	Asynchronous Polling Adapter (2 lines/cage)	140	7,000	15	X	X	X	X
692-403	Asynchronous Polling Adapter (3 lines/cage)	165	8,250	20	X	X	X	X
692-405	Terminal Adapter (1 line/cage)	100	4,800	15	X	X	X	X
692-406	Terminal Adapter (2 lines/cage)	140	6,700	20	X	X	X	X
693-200	735/736 Encoder Adapter	175	8,250	15	X	X	X	X
693-300	General Purpose Synchronous Adapter	160	7,750	25	X	X	X	X
6901	Transparency Feature	15	675	—	X	X	X	X
6902	Wideband Feature	10	450	—	X	X	X	X
694-201	Voice Response Adapter (1 line/cage)	100	4,800	15	X	X	X	X
694-202	Voice Response Adapter (2 lines/cage)	175	8,200	20	X	X	X	X
621-103	Communications Multiplexor	200	12,000	35	X	X	X	X
692-600	Asynchronous Adapter	75	1,500	8	X	X	X	X
693-600	Synchronous Adapter	100	2,500	8	X	X	X	X
691-101	Secondary Cage (for 621-103)	120	7,500	8	X	X	X	X
690-103	Auxiliary Bay	160	8,000	3	X	X	X	X
691-102	Secondary Cage (for 690-103)	120	7,500	9	X	X	X	X
691-201	First Extended Register Card	NC	NC	NC	X	X	X	X
691-202	Second Extended Register Card	NC	NC	NC	X	X	X	X

NC No Charge

Notes:

*No longer in production.

(1) For provincial maintenance, add 20% of maintenance price to monthly rental and increase maintenance price by 20% for purchased.

(2) Century 101 and 200 also available under 3- and 5-year rental contracts.

(3) Basic system substitutions increase or decrease the listed price of the basic system as indicated.

(4) Printer typelines must be designated at time of order. Request specifications from manufacturer.

(5) Requires 6207 Console Debug and 2314 and/or 6214 compatibility features.

(6) Maximum memory capacity, within the basic system, is 512K bytes. Memory expansion over this is placed in separate 512K-byte units.

Description	Monthly $	Yearly $	One Time $
SOFTWARE			
Law Enforcement			
Modules			
Case Assignment	75	875	2,225
Police Information	75	875	2,225
Operations Management	75	875	2,225
Personal Trust			20,000
Basic	50		900
Documat (Stage I)	35		375
Documat (Stage II)	60		650
NEATflow	25		250
DocuFlow (Stage I)	50		500
DocuFlow (Stage II)	75		750
399 A Packages			
Payroll			800
Accounts Receivable			800
Accounts Payable			900
General Ledger			900
Client Accounting			900
Cosmos (Prices based on user's annual sales)			
Up to 4 million		375	1,250
4 to 10 million		750	2,500
10 to 25 million		3,000	10,000
25 to 50 million		6,000	20,000
50 to 100 million		9,000	30,000
100 to 250 million		12,000	40,000
250 to 500 million		21,000	70,000
500 to 1 billion		28,500	95,000
1 billion or greater		36,000	120,000

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	CENTRAL PROCESSOR AND WORKING STORAGE			
	SYSTEM: 90/30			
3029-00	CPU (includes 32K bytes storage, expandable to 256K, 600-nsec cycle time/4 bytes, 32 general registers, 2 timers, integrated peripheral channel, relocation registers, CRT/keyboard operator station, 9200/9300 compatibility mode, 360/20 compatibility mode)	1,635	78,480	320
-99	90/30 Processor (same as 3029-00 except has 48K bytes)	1,775	85,200	340
-98	90/30 Processor (same as 3029-00 except has 64K bytes)	1,915	91,920	360
-97	90/30 Processor (same as 3029-00 except has 96K bytes)	2,195	105,360	400
-96	90/30 Processor (same as 3029-00 except has 128K bytes)	2,475	118,800	440
-95	90/30 Processor (same as 3029-00 except has 160K bytes)	2,755	132,240	480
-94	90/30 Processor (same as 3029-00 except has 192K bytes)	3,035	145,680	520
-93	90/30 Processor (same as 3029-00 except has 224K bytes)	3,315	159,120	560
-92	90/30 Processor (same as 3029-00 except has 256K bytes)	3,595	172,560	600
	Processor Options			
8541-84	Console Printer (30 cps)	72	2,856	22
F1622-00	Storage Protect (provides read/write protection and accesses to main storage and 2 additional processor instructions; protection in 512-byte blocks for processors with up to 128K bytes of main storage, and 1K-byte blocks for processors with more than 128K bytes of main storage)	15	720	–
F1623-00	Micrologic Expansion (adds 64 instructions: 44 floating point and 20 nonprivileged)	95	4,560	15
1921-00	Channel Cabinet (provides housing for multiplexor and up to 2 selector channels)	195	9,360	30
F1618-00	Selector Channel (8 subsystem max, 825 KB transfer rate, 2 max, cabinet reqrd)	170 each	8,160 each	30 each
F1620-00	Multiplexor Channel (8 subsystem max, 83 KB transfer rate, 1/system, cabinet reqrd)	125	6,000	30
	Memory			
	Expansion Storage			
F1775-00	16K Bytes	140	6,720	20
F1907-01	32K Bytes	280	13,440	40
	MASS STORAGE			
	Discs (can also use 8414/8411 disc subsystem, subject to availability)			
	Integrated Disc Storage			
F1621-00	Disc Adapter (provides interface and control for up to 4 8416-type disc drives; expandable to 8 drives with addition of IDA expansion; min of 2 drives reqrd)	200	9,600	50
	Features			
-99	IDA Expansion (expands disc adapter control to up to 8 8416 drives)	170	8,160	30
8416-02	Disc Storage (provides direct access of up to 28.9M bytes of data using removable disc packs; avg access is 33 ms; transfer rate is 625 KB/sec)	240	11,520	75
F1216-01	Disc Pack	20	450	–
	8430 Disc Subsystem			
5039-00	Control Unit (selector channel reqrd; controls up to 8 8430-type disc drives with access to 800M 8-bit bytes; min of 2 disc units/subsystem)	1,200	57,600	300
8430-00	Disc Storage (provides single disc drive using removable disc pack; 1M byte/drive capacity; avg access time is 27 ms; transfer rate 806 KB)	520	24,960	130
	Features			
F1230-00	Disc Pack (provides up to 100M bytes of removable storage for 8430-type drive; maintenance NA)	40	750	–
	16-Drive Expansion (provides the capability to attach up to 16 8430 disc drives)	160	7,680	40
	INPUT/OUTPUT			
	Punched Card			
0605-00	Integral Card Punch (75-160 cpm serial punch; includes validity checking, 700-card input hopper, 600-card output stacker, eject stacker)	205	9,840	75
F1617-00	Punch Read Station (permits reading of 80-col cards on 0605 punch)	15	720	5

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Punched Card (Contd.)			
0604-99	Row Punch Subsystem (250 cpm, 80-col multiplexor I/O channel reqrd; includes program control of stacker selection; input hopper 1,000 cards; 2 output stackers, 1,000 cards each)	386	16,443	101
F0875-00	Read/Punch	124	5,219	53
0717-00	Integral Card Reader (500 cpm, 80-col card; validity checking with a read check station; 2,400-card input hopper and 2,000-card output stacker)	190	9,120	60
	Features			
F1627-00	Short Card (permits read of 51-col card)	35	1,680	10
-01	Short Card (permits read of 66-col card)	35	1,680	10
	Card Reader Subsystem			
0716-99	Card Reader and Control (1,000 cpm, 80-col card; multi-read checking, input hopper 2,400 cards, 2 output hoppers, 2,000 cards each)	305	14,364	95
	Features			
F1487-00, 01	51- or 66-col read	39	1,497	10
F1488-00	Validity Check	10	756	–
F1498-00	Alternate Stacker Fill	10	504	–
F1530-99	Dual Translate (adds ASCII translator; under program control)	22	1,008	5
	Paper Tape			
	Paper Tape Subsystem (requires multiplexor I/O channel feature; subsystem requires controller and reader, and/or punch, reader spooler, and punch take-up spooler)			
0920-02	Controller	185	7,917	29
F1033-02	Reader (300 cps; 5, 6, 7, or 8 channels)	39	1,680	17
F1032-02	Punch (110 cps; 5, 6, 7, or 8 channels)	135	5,754	24
F1034-00	Reader Spooler (5-in. diameter spools)	39	1,680	5
F1035-00	Punch Take-Up Spooler (5-in. or 8-in. diameter spools)	16	688	5
	Printers			
0773-99	Integral Printer (prints 48 char at 500 lpm, 120 print positions expandable to 144; requires print cartridge)	460	22,080	175
	Features			
F1648-00	132 Print Positions (expands print positions from 120 to 132)	40	1,920	10
-01	144 Print Positions (expands print positions from 132 to 144)	40	1,920	5
-02	144 Print Positions (expands print positions from 120 to 144)	80	3,840	15
F-1649-00	Extend Character Set (provides for use of print cartridges with more than a 64-char array)	45	2,160	8
F1647-xx	Print Cartridges (many available)	30 each	1,440 each	–
0768-00	Drum Printer and Control (multiplexor I/O channel reqrd; 132 print positions; 63 char at 900 lpm, 49 char at 1,100 lpm; 6 or 8 lpi spacing)	1,001	42,709	354
-99	Drum Printer and Control (multiplexor I/O channel reqrd; prints 63 char at 1,200 lpm, 43 char at 1,600 lpm; 132 print positions; 6 or 8 lpi spacing)	1,242	52,989	438
F1071-00	Converts 0768-00 to 0768-99	241	10,280	84
F1820-00	Stacking/Acoustical Aid (provides additional sound suppression to 0768 printers; also provides power driven assistance to form stacking)	10	436	–
0770-00	Band Printer and Control (prints 48 char at 800 lpm, 132 print positions/line; vertical spacing 6 or 8 lpi; max forms advance rate 50 ips; print cartridge not included)	1,066	45,539	221
-02	Band Printer and Control (same as 0770-00 except prints 1,400 lpm and max forms advance is 75 ips)	1,275	54,469	289
-04	Band Printer and Control (same as 0770-00 except prints 2,000 lpm and 100 ips)	1,806	77,128	368
	Features			
F1533-00	160 Print Positions (expands from 132 positions to 160 positions; factory installed only)	87	3,707	16
F1534-00	Expanded Character Set Control (provides control reqrd for print cartridges containing char sets other than 48 char)	57	2,400	5
F1536-xx	Print Cartridges (a variety of char sets and fonts available)	21	420	–
2703-00	Optical Document Reader (reads printed numeric data of a specific font style from various size documents; feeds documents of a 6-in. length at rates of up to 300/min)	937	44,100	197

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features (Contd.)			
F1108-00	600-dpm Speed Upgrade (permits speed to be increased to 600 documents/min. for 6-in. documents)	236	11,088	34
F1163-00	Modulus 10 Check Digit (computes by modulus 10 formula a check digit based upon numeric data printed on the document and compares the result with a check digit printed on the document)	22	1,008	5
F1106-00, 01	Mark Read – EBCDIC, ASCII (permits reading of vertical pencil marks located in columns on the document; marks can be read in image mode or translated into EBCDIC or ASCII)	177	8,316	39
F1149-00	Punch Card Read (permits reading of 80-col cards; F1106-00, 01 is reqrd)	59	2,772	10
F1154-00	Validity Check (F1106-00, 01 reqrd)	10	504	–
F1155-00	Univac H-14 Conversion	–	762	–
F1156-00	USASCSOR Conversion	–	762	–
F1557-00	OCR "B"	–	762	–
F1239-00, 01	EBCDIC, ASCII Conversion	–	–	–
F1249-00	EBCDIC Mark Read Convert (permits field conversion from ASCII mark read feature to EBCDIC mark read feature)	–	63	–
F1249-01	ASCII Mark Read Convert (permits field conversion from EBCDIC mark read feature to ASCII mark read feature)	–	300	–
0768-02	ASCII Printer and Control (multiplexor I/O channel reqrd; 132 print positions; 6 or 8-lpi spacing; 2,000 lpm-numeric, 1,000 lpm, 87-char set, 840 lpm, 94-char set)	1,146	48,873	398
F1522-00	Print Code Expansion (provides for expansion to 108-char set; special print drum reqrd)	5	252	–
	Magnetic Tape			
	Uniservo 12/16 subsystem involves either (a) Uniservo control plus max of 4 masters and slave (max of 3/master), or (b) Uniservo 12/16 control and max of 16 tapes; selector channel reqrd			
5017-99	Uniservo 12 Control (controls up to 16 9-track phase encoded 1,600 bpi Uniservo 12 tape units)	520	22,224	95
	Features			
F0825-00	Dual Channel (permits nonsimultaneous operation on selector channel from 2 CPUs)	87	3,885	16
	Simultaneous Operation (provides R/R, R/W, W/R, and W/W capability on 2 selector channels)			
F1029-99	For Uniservo 12 Control	332	14,162	63
-00	For Uniservo 12/16 Control		15,905	
F0823-99	7-Track NRZI (provides capability of adding 7-track tape units to control)	113	5,025	16
F0826-00	9-Track NRZI (enables read or write in NRZI mode at 800 bpi)	113	5,028	16
F1028-95	7-Track Addition (adds 7-track NRZI to 9-track NRZI)	82	3,654	10
-96	9-Track Addition (adds 9-track NRZI to 7-track NRZI)	82	3,654	10
F1131-99	Uniservo 16 Capability (permits use of Uniservo 16 tape units with Uniservo 12 control)	41	1,743	10
0861-00	Uniservo 12 Master (9-track phase encoded; handles up to 3 slaves; 1,600 bpi, 68-KB transfer rate)	360	15,383	113
-01	Uniservo 12 Slave (9-track phase encoded)	289	12,333	78
-04	Uniservo 12 Master (7-track NRZI handles up to 3 slaves; 200/556/800-bpi density; transfer rate 8,540/23, 741/34, 160 cps)	313	13,334	113
-05	Uniservo 12 Slave (7-track NRZI)		10,963	
	Features			
F0934-99	7- or 9-Track Simultaneity Phase Encoded (1 reqrd for each master; control must have simultaneous feature)	80	3,429	17
-01	7- or 9-Track Simultaneity NRZI (1 reqrd for each master; control must have simultaneous and 7- or 9-track NRZI capability features)	91	3,885	17
F0935-00	Dual Density (reqrd in each master to read both NRZI and phase encoded tapes)	53	2,284	10
F1041-00	7- to 9-Track Conversion (converts 7-track NRZI non-simultaneous master to phase encoded master)	48	2,049	–
-01	7- to 9-Track Conversion (converts 7-track NRZI simultaneous Uniservo 12 master [0861-04] with F0934-98 to 9-track 1,600-bpi phase encoded simultaneous master [equivalent to 0861-00 with F0934-99])	48	2,049	–

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Features (Contd.)			
F034-98	Simultaneous Operation (reqrd in each master [0861-04] to achieve 7-track NRZI simultaneous operation; each control unit must contain F0823-99)	80	3,429	17
F1042-00	7- to 9-Track Conversion (converts 7-track NRZI slave to phase encoded slave)	32	1,371	–
5017-00	Uniservo 12/16 Control (controls up to 16 9-track phase encoded Uniservo 12 and/or 16 tape units)	561	23,967	105
0862-00	Uniservo 16 Tape Unit (9-track phase encoded; 1,600 bpi; 192-KB transfer rate)	459	19,609	116
-02	Uniservo 16 Tape Unit (7-track NRZI; 200/556/800-bpi, 24/66/96-KB transfer rate)	459	19,609	116
	Features			
F0936-99	Simultaneous Feature (reqrd for each unit for simultaneous operation)	21	914	–
F0937-00	Dual Density (reqrd in each unit to read or write both phase encoded and NRZI)	51	2,284	–
	Uniservo 20 Tape Subsystem			
5034-00	Uniservo 20 Control (selector channel reqrd; controls up to 9-track phase encoded Uniservo 12s, 16s, 20s, or a mixture of each; 1,600 bpi, 2 control units reqrd for dual access operation)	765	32,681	95
	Features			
F0823-98	7-Track Capability (provides capability of adding 7-track NRZI Uniservo 12/16 tape units to control)	113	5,544	16
F1028-98	9-Track Addition (adds 9-track NRZI capability to 7-track capability feature)	113	5,544	16
F0826-99	9-Track NRZI (enables R/W operations in 9-track NRZI at 800 bpi and 9-track phase encoded 1,600 bpi on Uniservo 12 and 16 tape units; Uniservo 12/16 tape units must have appropriate features)	133	6,552	21
F1028-97	7-Track Addition (adds 7-track NRZI capability to 9-track NRZI option)	92	4,536	10
0864-00	Uniservo 20 (9-track phase encoded tape unit; transfer rate 320,000 bytes/sec; 1,600 bpi; reads forward and backward; writes forward)	577	24,620	132
	Features			
F1510-00	Dual Access (provides for dual access and simultaneous R/R, R/W, W/R, and W/W operations when added to 2 or more Uniservo 20s; requires 2 control units)	51	2,284	10
	DATA COMMUNICATIONS			
	90/30 Communications Subsystem			
F1625-99	Communications Adapter (controls and coordinates transfer of data from up to 6 full-duplex or 12 half-duplex lines; each line requires a line adapter)	195	9,360	35
	Feature			
F1625-98	Communications Adapter Expansion (expands the capability of the communications adapter to 12 full-duplex or 24 half-duplex lines; each line requires a line adapter)	195	9,360	35
	Line Adapters			
F1826-00	Synchronous Line Adapter (interface for data sets conforming to RS232 and CCITT)	18	864	7
-01	Synchronous Line Adapter (same as F1826-00 plus provides reverse channel of up to 150 baud async; requires 2 ports)	27	1,296	8
F1828-00	Asynchronous Line Adapter (provides interface to async data sets conforming to RS232 and CCITT)	14	672	6
-01	Asynchronous Line Adapter (same as F1828-00 plus provides reverse channel of up to 5 baud)	18	864	7
-02	Asynchronous Line Adapter (same as F1828-00 except provides reverse channel of up to 150 baud; requires 2 ports)	22	1,056	8
F1830-00	Wideband Line Adapter (provides a sync full-duplex interface to an AT&T 300 series data set operating at 40.8K bps with 56K-bps max speed)	22	1,056	8
-01	Wideband Line Adapter (provides a sync full-duplex interface with an AT&T 300 series data set at 50K bps; includes auto-answering capability)	22	1,056	8
F1831-00	Dial Adapter (provides the interface to both rotary or touch-tone auto dialing units; requires a line adapter location for each dialing unit)	14	672	6

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $
	Line Adapters (Contd.)			
F1832-00	Asynchronous Relay Line Adapter (provides async full-duplex interface optionally compatible with either 20-75 ma neutral or 10-40 ma polar telegraph lines)	14	672	6
F1835-00	TWX Line Adapter (provides interface to the USA TWX network)	14	672	6
F1836-00	Telex Line Adapter (provides interface to USA WU Telex network)	14	672	6
F1870-00	Active Line Indicator (provides display panel to display line activity on up to 12 communication lines; 2 permitted if F1625-98 is present)	7	336	2
F1001-01	Channel Adapter 9200/9300 (provides communication via respective multiplexor channels)	88	3,885	16
	SOFTWARE			
	90/30 Newscomp			
6500-00	Basic 90/30 Newscomp (provides typesetting composition control routines instructed by commands for the automatic typesetting of textual material. Commands are provided for delimiters, space control, face selection, format control, language control, character string manipulation, justification modifiers, and auxiliary control)	100		
F5000-00	Editing Control (adds the capability to edit information, via UNISCOPE 100 terminals, to Basic 90/30 Newscomp. Editing capabilities include: open text, compress text, scroll forward, scroll backward, save text, insert text, duplicate text, restart, and terminate edit. Four levels of control commands include: log, route, release, delete, monitor, merge, copy, rename, unload, load, close system, and abort system)	100		
F5001-00	Classified Ads (adds classified ad processing capabilities to Basic 90/30 Newscomp. These capabilities include: sort by classification, content, or optional key; ad extension; ship dates; and automatic ad deletion. The ability to output by classification or groups of classification is also provided. Editing/Control [F5000-00] is prerequisite)	100		
	90/30 UNIS			
6501-00	Basic 90/30 UNIS (includes a master data processor which provides for maintenance of the standard manufacturing data files, and for processing capabilities in the areas of bill materials retrievals and standard routings)	75		
F5002-00	Production Planning and Scheduling to Infinite (This subsystem of 90/30 UNIS provides for backward scheduling, forward scheduling, splitting, overlapping, and reduction of wait times in scheduling to infinite capacity. Excludes Finite [F5002-01])	75		
-01	Production Planning and Scheduling to Finite (This subsystem of 90/30 UNIS employs priority calculations, calculation of realistic start, and calculation of realistic end dates in scheduling to finite capacity. Excludes Infinite [F5002-001])	100		
F5003-00	The Inventory Management Subsystem of 90/30 UNIS (adds capabilities in the areas of: inventory control, statistical forecasting, requirements planning, order recommendation, order allocation, ABC analysis, and statistics)	75		
F5004-00	The Work Order Management Subsystem of 90/30 UNIS (adds capabilities to Inventory Management [F5003-00] for order release and order control. Order release functions include: on-hand availability control, creation of on-hand reservations, and shortage reporting. Order control includes: work order status update, work in progress quantity, and reservation control. Inventory Management [F5003-00] is prerequisite)	25		
	90/30 Profits			
6502-00	Profits/Time Deposits (provides overall communications and control and on-line time deposits transactions including: passbook update; cash, mail, check deposits [with/without holds]; interest calculations; cash, check, mail withdrawals; return check; rebate interest. Off-line support program for maintenance and reloading of data files are also provided)	420		

Model Number	Description	Monthly Rental $*	Purchase $	Monthly Maint. $
	90/30 Profits (Contd.)			
-00	Profits/Loans (provides for on-line commitment record generation; on-line processing of transactions for mortgage; [capitalized and noncapitalized] commercial; and construction and discount loans. Off-line support programs are also provided for maintenance and file reload and generate the necessary information for off-line reports)	165		

PRICE DATA

Model Number	Description	Purchase Price ($)	Fixed-Term Lease Rates ($) 1-Yr	4-Yr	6-Yr	Maint Contract Rate ($)	Field Expansion Charge ($)
	CENTRAL PROCESSOR						
	System: 550						
4501	550 Basic System (includes a basic cluster, a system control processor, and 16K words of 2-port memory. The basic cluster contains an MIOP with I/O adapter and a basic processor. Features include 4 blocks of 16 general-purpose registers, memory map and access protection, and extended arithmetic unit. The system control processor contains 4 real-time clocks, power fail-safe, watchdog timer, configuration control, 14 internal interrupts, external control subsystem, and remote assist facility)	104,700	3,000	2,820	2,700	600	NA
	Processor Options						
4525	External Interrupts (12 levels)	2,000	70	66	63	15	200
4561	16K Core Memory Unit (with 2 ports)	26,000	832	782	748	110	1,000
4562	16K-Core Memory Increment	24,000	768	722	692	96	500
4566	Two-Port Expansion for Memory (2 per 4561)	8,000	270	254	243	60	100
4570	Direct I/O Interface	2,500	88	82	81	20	50
4580	I/O Cluster	8,000	250	235	225	60	100
4581	Additional MIOP	15,000	500	470	450	82	250
4582	I/O Adapter	10,000	350	330	310	60	100
4591	KSR 35 Keyboard Printer	3,300	110	100	80	15	100
	System: 560						
4601	560 Basic System (includes a basic cluster, a system control processor, and 16K words of 2-port memory. The basic cluster contains an MIOP with I/O adapter and a basic processor. Features include 4 blocks of 16 general-purpose registers, memory map and access protection, extended arithmetic unit, floating point, and byte string and decimal instructions. The system control processor contains 4 real-time clocks, power fail-safe, watchdog timer, configuration control, 14 internal interrupts, external control subsystem, and remote assist facility)	162,700	3,400	3,196	2,960	774	NA
	Processor Options						
4625	External Interrupts (12 levels)	2,000	70	66	63	15	200
4661	16K Core Memory Unit (with 2 ports)	26,000	832	782	748	110	1,000
4662	16K Core Memory Increment	24,000	768	722	692	96	500
4666	Two-Port Expansion for Memory (2 per 4661)	8,000	270	254	243	60	100
4670	Direct I/O Interface	2,500	83	82	81	20	50
4680	I/O Cluster	8,000	250	235	225	60	100
4681	Additional MIOP	15,000	500	470	450	82	250
4682	I/O Adapter	10,000	350	330	310	60	100
4691	KSR 35 Keyboard Printer	3,300	110	100	80	15	100
	MASS STORAGE						
3201	Rotating Storage Controller	6,000	200	190	180	50	200
3203	RAD (1.31 mb)	17,000	565	530	500	120	100
3204	RAD (2.62 mb)	30,000	1,000	940	890	175	100
3211	Rotating Storage Controller	8,000	200	200	180	65	200
3214	RAD (2.88 mb)	32,000	800	750	715	185	100
3215	Two RADs (2.88 mb)	42,000	1,050	990	930	275	150
3231	Cartridge Disc Drive (2.4 mb)	5,500	185	174	170	50	200
3232	Cartridge Disc Drive (4.9 mb)	9,000	300	282	276	75	200
3233	Cartridge Disc Drive (9.8 mb)	16,000	495	465	455	130	200
3242	Cartridge Disc Drive (5.7 mb)	9,000	300	282	276	75	200
3243	Cartridge Disc Drive (11.4 mb)	16,000	495	465	455	130	200
3246	Disc Cartridge	250	NA	NA	NA	NA	NA
1048	Controller Expansion	4,000	100	95	90	35	100
1049	Dual Access (for RAD disc drives)	1,000	27	26	23	10	75
3275	Rotating Memory Processor (RMP) + two 100-mb Disc Drives	89,500	2,185	1,935	1,830	385	1,500
3276	RMP + seven 100-mb Disc Drives*	181,000	4,360	4,100	3,800	950	4,300
3277	Disc Drive* (100 mb)	22,500	645	535	510	155	750
3279	Disc Cartridge	800	50	50	50	NA	NA
1051	Second RMP (for dual access)	45,000	1,125	1,055	1,000	180	1,000
1052	Dual Access (for disc drive)	4,380	110	100	85	20	100
7275	Disc Controller + three 86-mb Disc Drives	112,000	2,630	2,470	2,340	510	2,000

PRICE DATA (Contd.)

Model Number	Description	Purchase Price ($)	Fixed-Term Lease Rates ($) 1-Yr	4-Yr	6-Yr	Maint Contract Rate ($)	Field Expansion Charge ($)
7276	Disc Controller + seven 86-mb Disc Drives	181,000	4,360	4,100	3,800	950	4,300
7277	Disc Drive (86 mb)	22,500	570	535	510	155	750
1043	2nd Controller (for 7275/7276/7277 dual access)	45,000	1,125	1,055	1,000	180	1,000
1044	Dual Access (for 86-MB disc drive)	4,380	110	100	85	20	100
7279	Disc Pack	800	50	50	50	NA	NA
	INPUT/OUTPUT						
	Magnetic Tape Units						
3322	Mag Tape Controller + 1 Tape Unit (45 ips, 800 bpi)	12,500	600	415	390	110	250
3325	Add-on Tape Unit (45 ips, 800 bpi)	7,500	330	300	275	90	50
3332	Mag Tape Controller + 1 Tape Unit (45 ips, 800/1,600 bpi)	32,280	750	705	670	145	250
3335	Add-On Tape Unit (45 ips, 800/1,600 bpi)	13,500	360	340	325	90	50
1045	Expansion Adapter	1,500	50	47	45	6	50
1046	ASCII Translation Option	1,000	25	20	15	5	50
3340	Mag Tape Controller (75/125 ips)	24,000	563	529	497	95	200
3345	Tape Unit (75 ips, 800/1,600 bpi)	16,685	437	411	386	100	100
3347	Tape Unit (125 ips, 800/1,600 bpi)	21,050	545	512	481	115	100
1047	2nd Controller (for dual access)	7,270	190	180	170	30	250
7315	Magnetic Tape Controller + 1 Drive	16,000	600	550	500	200	250
7316	Add-On Tape Drive	12,000	450	422	400	180	50
7322	Tape Unit (75 ips, 800 bpi)	12,000	450	422	400	180	50
7330	Magnetic Tape Controller (1,600 bpi)	28,400	710	667	632	114	200
1038	Magnetic Tape Controller (800 bpi)	4,000	100	94	89	26	200
1039	Extended Width Interface (for 1,600-bpi controller)	2,500	63	60	56	16	60
7332	Tape Unit (75 ips, 1,600 bpi)	18,500	435	409	387	159	50
7333	Tape Unit (150 ips, 1,600 bpi)	25,850	610	573	543	196	50
7361	Magnetic Tape Controller (556 bpi)	6,000	150	141	134	42	200
7362	Tape Unit (37.5 ips, 556 bpi)	19,000	475	447	423	133	50
7365	BCD Option	2,000	50	47	46	NC	50
7371	7-Channel Tape System Controller	22,000	550	517	490	104	200
7372	7-Channel Mag Tape Unit (75 ips; 200, 556, and 800 bpi)	27,000	675	635	601	196	50
7374	Binary Packing Option	3,200	80	76	72	NC	50
3461	Buffered Line Printer (300 lpm)	17,000	485	460	400	150	400
3463	Buffered Line Printer (700 lpm)	33,500	880	827	783	225	400
3464	Buffered Line Printer (500 lpm)	36,500	960	902	855	245	400
3465	Buffered Line Printer (1,250 lpm)	52,000	1,370	1,285	1,220	275	400
3466	Buffered Line Printer (925 lpm)	55,000	1,450	1,360	1,290	305	400
1050	Second Printer Control (for access switching)	2,500	83	80	77	20	200
3451	Buffered Line Printer (350 lpm)	22,000	450	420	400	250	400
7440	Buffered Line Printer (600 lpm)	35,000	875	823	779	265	200
7441	Buffered Line Printer (1,100 lpm, 64-char set)	46,000	1,150	1,081	1,024	292	400
7442	Buffered Line Printer (1,100 lpm, 91-char set)	50,000	1,250	1,175	1,113	292	400
7446	Buffered Line Printer (1,500 lpm)	62,000	1,450	1,363	1,291	350	400
7450	Buffered Line Printer (225 lpm)	22,500	563	530	502	148	400

Notes:

NA – Not Available
NC – No Charge
** Unformatted Capacity*

XEROX

Sigma Series Prices

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	CENTRAL PROCESSORS AND WORKING STORAGE								
	System: Sigma 5								
	Processors								
8201	Central Processor (with integral I/O Processor 2 realtime clocks, control panel, and power supplies)	1,750	70,000	450					
8202	Central Processor (without Integral I/O Processor)	1,625	65,000	425					
	Processor Options								
8203	Integral I/O Processor (for 8202 only)	188	7,500	25					
8211	2 Additional Real-Time Clocks	25	1,000	5					
8213	Power Fail-Safe	25	1,000	5					
8214	Memory Protect	100	4,000	15					
8216	Additional Register Block	63	2,500	10					
8218	Floating-Point Arithmetic	250	10,000	100					
8221	Interrupt Control Chassis (requires 8270)	55	2,200	30					
8222	Priority Interrupt (2 levels; requires 8221)	9	350	NC					
	Internal Connection Features								
8264	Port Expansion (1 per two 8261s in same cabinet)	100	4,000	20					
8270	External Interface Feature	50	2,000	10					
8272	Additional 8 Multiplexor Channels (for 8201 and 8203)	100	4,000	15					
8273	Multiplexor Input/Output Processor (includes 8 multiplexor channels)	500	20,000	80					
8275	4-Byte Interface Feature (requires 8273 or 8277)	63	2,500	15					
8276	Additional 8 Multiplexor Channels (requires 8273 or 8277)	100	4,000	15					
8277	Bus-Sharing Multiplexor I/O Processor (requires 8273)	375	15,000	80					
8285	Selector Input/Output Processor Model II	750	30,000	100					
	For I/O Processors:								
7900	Device Subcontroller	—	1,995	—					
7903	Extended Device Subcontroller	—	2,800	—					
7907	Remote Computer Adapter	88	3,500	18					
7908	Computer Interface Adapter	88	3,500	18					
7910	Analog Output Controller	113	4,500	23					
7915	Analog Input Controller	113	4,500	23					
7923	Analog and Digital Adapter	88	3,500	18					
7928	Direct Feature	88	3,500	18					
	For Digital I/O:								
7929	IOP-to-DIO Adapter	113	4,500	23					
7930	Digital I/O Adapter (requires DIO or 7929)	75	3,000	75					
7931	Digital I/O Expander (requires 7930 and 7935)	50	2,000	10					
7935	Digital I/O Controller (for IOP)	138	5,500	28					
	For Use with 7930, 7931, or 7935:								
7942	Interrupt Conditioner 1	4	150	NC					
7943	Interrupt Conditioner 2	3	100	NC					
7944	Interrupt Conditioner 3	3	100	NC					
7950	Stored Output Module (8-bits; can also be used with 7923)	3	100	NC					
7951	Digital Input Module (16-bits)	2	85	NC					
7952	Pulsed Output Module (8-bits; quiescent +8V; can also be used with 7923)	2	85	NC					
7953	Pulsed Output Module (8-bits; quiescent 0V; can also be used with 7923)	2	85	NC					
7954	Pulsed Output Module (8-bits; can also be used with 7923)	3	120	NC					
7955	Stored Input Module (8-bits)	3	120	NC					
7956	Isolated Contact Outputs (4-bits; can also be used with 7923)	2	95	NC					
7957	Serial I/O Module (can be used for serial output on 7923)	4	150	NC					
7958	Programmed Driver (6-bits; can also be used with 7923)	4	150	NC					
7959	Decimal Display Driver (can also be used with 7923)	3	100	NC					
7960	Negative Voltage Outputs (8-bits; can also be used with 7923)	4	150	NC					
7961	Negative Voltage Inputs (8-bits)	3	100	NC					
7962	Digital-to-Analog Converter (8-bits plus sign; can also be used with 7923)	8	225	NC					
7963	Type 1 Counter (can also be used with 7923)	6	175	NC					
7964	Type 1 Mercury Relays (can also be used with 7923)	5	160	NC					
7965	A to D Converter (7-bits plus sign)	6	180	NC					
	Miscellaneous								
7901	Peripheral Equipment Tester	—	5,500	—					
7969	Frequency Control Basic	50	2,000	—					
7970	Frequency Source Unit (for 7969)	9	375	2					
7971	Program Control Basic (requires 7969 and DIO)	21	850	4					
7972	Frequency Source Unit (programmed; for 7969 and 7971)	30	1,200	6					

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	Processor Storage								
8252[1]	Memory Increment (4,096 words)[1]	388	15,500	40					
8255[1]	2-Way Access (1 per memory module)[1]	125	5,000	20					
8256[1]	3-Way Access (1 per memory module)[1]	75	3,000	20					
8257[1]	6-Way Access (1 per memory module)[1]	250	10,000	50					
8261	Memory Bank (8K words)	1,050	42,000	120					
8262	Memory Increment (8K words; requires 8261)	775	31,000	110					
	System: Sigma 6[2]								
	Processors								
8310A[3]	Central Processor (32K-word dual access memory; multiplexor I/O processor with 8 channels; 4-byte interface feature; decimal arithmetic; memory protect; register blocks; power failsafe; memory access protection (MAP); and 2 real-time clocks)[3]	7,670	306,800	1,250					
8310B	Above, with 48K Words	9,360	374,400	1,495					
8310C	Above, with 64K Words	10,645	425,800	1,740					
8310D	Above, with 80K Words	12,335	493,400	1,985					
8310E	Above, with 96K Words	12,990	519,600	2,230					
8310F	Above, with 112K Words	14,035	561,400	2,475					
8310G	Above, with 128K Words	14,690	587,600	2,720					
	Processor Options								
8311	2 Additional Real-Time Clocks	25	1,000	5					
8316	Additional Register Block	63	2,500	10					
8318	Floating-Point Arithmetic Unit	625	25,000	100					
8321	Interrupt Control Chassis	55	2,200	30					
8322	Priority Interrupt (2 levels; requires 8321)	9	350	NC					
	Internal Connection Features								
8364A	Port Expansion for 8310A	100	4,000	20					
8364B	Above, for 8310B	200	8,000	40					
8364C	Above, for 8310C	200	8,000	40					
8364D	Above, for 8310D	300	12,000	60					
8364E	Above, for 8310E	300	12,000	60					
8364F	Above, for 8310F	400	16,000	80					
8364G	Above, for 8310G	400	16,000	80					
8370	Additional MIOP (with 8 channels; 4-byte interface feature)	563	22,500	95					
8375	I/O Processor Expansion Feature (8 channels; 4-byte interface Feature; for 8310 or 8370)	438	17,500	95					
8376[3]	Additional 8 Multiplexor Channels (for 8310, 8370, or 8375)[3]	100	4,000	15					
8385	Selector Input/Output Processor	750	30,000	100					
	For I/O Processors:								
7900	Device Subcontroller	—	1,995	—					
7902	Extended Device Subcontroller	—	2,800	—					
7907	Remote Computer Adapter	88	3,500	18					
7908	Computer Interface Adapter	88	3,500	18					
7910	Analog Output Controller	113	4,500	23					
7915	Analog Input Controller	113	4,500	23					
7923	Analog and Digital Adapter	88	3,500	18					
7928	Direct Feature	88	3,500	18					
	For Digital I/O:								
7929	IOP-to-DIO Adapter	113	4,500	23					
7930	Digital I/O Adapter (requires DIO or 7929)	75	3,000	75					
7931	Digital I/O Expander (requires 7930 and 7935)	50	2,000	10					
7935	Digital I/O Controller (for IOP)	138	5,500	28					
	For Use with 7930, 7931, or 7935:								
7942	Interrupt Conditioner 1	4	150	NC					
7943	Interrupt Conditioner 2	3	100	NC					
7944	Interrupt Conditioner 3	3	100	NC					
7950	Stored Output Module (8-bits; can also be used with 7923)	3	100	NC					
7951	Digital Input Module (16-bits)	2	85	NC					
7952	Pulsed Output Module (8-bits; quiescent +8V; can also be used with 7923)	2	85	NC					
7953	Pulsed Output Module (8-bits; quiescent 0V; can also be used with 7923)	2	85	NC					
7954	Pulsed Output Module (8-bits; can also be used with 7923)	3	120	NC					
7955	Stored Input Module (8-bits)	3	120	NC					
7956	Isolated Contact Outputs (4-bits; can also be used with 7923)	2	95	NC					
7957	Serial I/O Module (can be used for serial output on 7923)	4	150	NC					
7958	Programmed Driver (6-bits; can also be used with 7923)								
7959	Decimal Display Driver (can also be used with 7923)	3	100	NC					
7960	Negative Voltage Outputs (8-bits; can also be used with 7923)	4	150	NC					
7961	Negative Voltage Inputs (8-bits)	3	100	NC					
7962	Digital-to-Analog Converter (8-bits + sign; can be used with 7923)	8	225	NC					

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	For Use with 7930, 7931, or 7935: (Contd.)								
7963	Type 1 Counter (can also be used with 7923)	6	175	NC					
7964	Type 1 Mercury Relays (can also be used with 7923)	5	160	NC					
7965	A to D Converter (7 bits + sign)	6	180	NC					
	Miscellaneous:								
7901	Peripheral Equipment Tester	—	5,500	—					
7969	Frequency Control Basic	50	2,000	—					
7970	Frequency Source Unit (for 7969)	9	375	2					
7971	Program Control Basic (requires 7969 and DIO)	21	850	4					
7972	Frequency Source Unit (programmed; for 7969 and 7971)	30	1,200	6					
	System: Sigma 7								
	Processors								
8401	Central Processor (includes 2 real-time clocks, control panel, and power supplies)	5,075	203,000	650					
	Processor Options								
8411	2 Additional Real-Time Clocks	25	1,000	5					
8413	Power Failsafe	25	1,000	5					
8414	Memory Protect	125	5,000	20					
8415	Memory Map	813	32,500	80					
8416	Additional Register Block	63	2,500	10					
8418	Floating-Point Arithmetic	625	25,000	100					
8419	Decimal Arithmetic	750	30,000	120					
8421	Interrupt Control Chassis	55	2,200	30					
8422	Priority Interrupt (2 levels: requires 8421)	9	350	NC					
	Internal Connection Features								
8464	Port Expansion (1 per two 8461s in same cabinet)	100	4,000	20					
8472	Additional 8 Multiplexor Channels[4]	100	4,000	15					
8473	Multiplexor Input/Output Processor (includes 8 multiplexor channels)	500	20,000	80					
8475	4-Byte Interface Feature (8473 or 8477)	63	2,500	15					
8476	Additional 8 Multiplexor Channels (8473 or 8477)	100	4,000	15					
8477	Bus-Sharing MIOP (requires 8473)	375	15,000	80					
8485	Selector Input/Output Processor	750	30,000	100					
8495	System Supervisory Console	625	25,000	100					
	For I/O Processors								
7900	Device Subcontroller	—	1,995	—					
7902	Extended Device Subcontroller	—	2,800	—					
7907	Remote Computer Adapter	88	3,500	18					
7908	Computer Interface Adapter	88	3,500	18					
7910	Analog Output Controller	113	4,500	23					
7915	Analog Input Controller	113	4,500	23					
7923	Analog and Digital Adapter	88	3,500	18					
7928	Direct Feature	88	3,500	18					
	For Digital I/O:								
7929	IOP-to-DIO Adapter	113	4,500	23					
7930	Digital I/O Adapter (requires DIO or 7929)	75	3,000	75					
7931	Digital I/O Expander (requires 7930 and 7935)	50	2,000	10					
7935	Digital I/O Controller (for IOP)	138	5,500	28					
	For Use with 7930, 7931, or 7935:								
7942	Interrupt Conditioner 1	4	150	NC					
7943	Interrupt Conditioner 2	3	100	NC					
7944	Interrupt Conditioner 3	3	100	NC					
7950	Stored Output Module (8-bits; can also be used with 7923)	3	100	NC					
7951	Digital Input Module (16-bits)	2	85	NC					
7952	Pulsed Output Module (8-bits; quiescent +8V; can also be used with 7923)	2	85	NC					
7953	Pulsed Output Module (8-bits; quiescent 0V; can also be used with 7923)	2	85	NC					
7954	Pulsed Output Module (8-bits; can also be used with 7923)	3	120	NC					
7955	Stored Input Module (8-bits)	3	120	NC					
7956	Isolated Contact Outputs (4-bits; can also be used with 7923)	2	95	NC					
7957	Serial I/O Module (can be used for serial output on 7923)	4	150	NC					
7958	Programmed Driver (6-bits; can also be used with 7923)	4	150	NC					
7959	Decimal Display Driver (can also be used with 7923)	3	100	NC					
7960	Negative Voltage Outputs (8-bits; can also be used with 7923)	4	150	NC					
7961	Negative Voltage Inputs (8-bits)	3	100	NC					
7962	Digital-to-Analog Converter (8-bits + sign; can also be used with 7923)	8	225	NC					
7963	Type 1 Counter (can also be used with 7923)	6	175	NC					

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations: Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	For Use with 7930, 7931, or 7935: (Contd.)								
7964	Type 1 Mercury Relays (can also be used with 7923)	5	160	NC					
7965	A to D Converter (7-bits + sign)	6	180	NC					
	Miscellaneous:								
7901	Peripheral Equipment Tester	—	5,500	—					
7969	Frequency Control Basic	50	2,000	—					
7970	Frequency Source Unit (for 7969)	9	375	2					
7971	Program Control Basic (requires 7969 and DIO)	21	850	4					
7972	Frequency Source Unit (programmed; for 7969 and 7971)	30	1,200	6					
	Processor Storage								
8452	Memory Increment (4,096 words)(1)	296	11,825	40					
8456	3-Way Access (1 per memory module)(1)	75	3,000	20					
8457	6-Way Access (1 per memory module)(1)	250	10,000	50					
8461	Memory Bank (8K words)	897	35,850	135					
8462	Memory Increment (8K words; requires 8461)	592	23,650	110					
	System: Sigma 8								
	Processors								
8510A	Central Processor (16K-word memory; MIOP channel A; 16 general-purpose registers; floating-point arithmetic; memory protect; 2 real-time clocks; power fail-safe; external interface)	9,500	295,000	1,295					
8510B	Above, with 32K Words	10,150	340,000	1,550					
8510C	Above, with 48K Words	11,200	395,000	1,820					
8510D	Above, with 64K Words	11,850	440,000	2,075					
8510E	Above, with 80K Words	12,900	495,000	2,345					
8510F	Above, with 96K Words	13,550	540,000	2,600					
8510G	Above, with 112K Words	14,600	595,000	2,870					
8510H	Above, with 128K Words	15,250	640,000	3,125					
	Processor Options								
8511	2 Additional Real-Time Clocks	25	1,000	5					
8516	Additional Register Block	63	2,500	10					
8517	Alternate CPU Bus	75	3,000	10					
8521	Interrupt Control Chassis	55	2,200	30					
8522	Priority Interrupt (2 levels; requires 8521)	9	350	NC					
	Internal Connection Features								
8570	Additional MIOP Channel A	500	20,000	155					
8571	4-Byte Interface (requires 8510, 8570, or 8575)	75	3,000	15					
8572	8 Additional Subchannels (requires 8510, 8570, or 8575)	100	4,000	15					
8573	Memory-to-Memory Move (requires 8572)	70	2,800	15					
8574	Alternate MIOP Bus (8510 or 8570)	75	3,000	10					
8575	MIOP — Channel B (8510 or 8570)	375	15,000	155					
8580	High-Speed RAD IOP	1,125	45,000	200					
8584	Alternate HSRIOP Bus (requires 8580)	75	3,000	10					
	For I/O Processors:								
7900	Device Subcontroller	—	1,995	—					
7902	Extended Device Subcontroller	—	2,800	—					
7907	Remote Computer Adapter	88	3,500	18					
7908	Computer Interface Adapter	88	3,500	18					
7910	Analog Output Controller	113	4,500	23					
7915	Analog Input Controller	113	4,500	23					
7923	Analog and Digital Adapter	88	3,500	18					
7928	Direct Feature	88	3,500	18					
	For Digital I/O:								
7929	IOP-to-DIO Adapter	113	4,500	23					
7930	Digital I/O Adapter (requires DIO or 7929)	75	3,000	75					
7931	Digital I/O Expander (requires 7930 and 7935)	50	2,000	10					
7935	Digital I/O Controller (for IOP)	138	5,500	28					
	For Use with 7930, 7931, or 7935:								
7942	Interrupt Conditioner 1	4	150	NC					
7943	Interrupt Conditioner 2	3	100	NC					
7944	Interrupt Conditioner 3	3	100	NC					
7950	Stored Output Module (8-bits; can also be used with 7923)	3	100	NC					
7951	Digital Input Module (16-bits)	2	85	NC					
7952	Pulsed Output Module (8-bits; quiescent +8V; can also be used with 7923)	2	85	NC					
7953	Pulsed Output Module (8-bits; quiescent 0V; can also be used with 7923)	2	85	NC					
7954	Pulsed Output Module (8-bits; can also be used with 7923)	3	120	NC					
7955	Stored Input Module (8-bits)	3	120	NC					
7956	Isolated Contact Outputs (4-bits; can also be used with 7923)	2	95	NC					
7957	Serial I/O Module (can be used for serial output on 7923)	4	150	NC					
7958	Programmed Driver (6-bits; can also be used with 7923)	4	150	NC					
7959	Decimal Display Driver (can also be used with 7923)	3	100	NC					

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	For Use with 7930, 7931, or 7935: (Contd.)								
7960	Negative Voltage Outputs (8-bits; can also be used with 7923)	4	150	NC					
7961	Negative Voltage Inputs (8-bits)	3	100	NC					
7962	Digital-to-Analog Converter (8-bits + sign; can also be used with 7923)	8	225	NC					
7963	Type 1 Counter (can also be used with 7923)	6	175	NC					
7964	Type 1 Mercury Relays (can also be used with 7923)	5	160	NC					
7965	A to D Converter (7-bits + sign)	6	180	NC					
	Miscellaneous:								
7901	Peripheral Equipment Tester	—	5,500	—					
7969	Frequency Control Basic	50	2,000	—					
7970	Frequency Source Unit (for 7969)	9	375	2					
7971	Program Control Basic (requires 7969 and DIO)	21	850	4					
7972	Frequency Source Unit (programmed; for 7969 and 7971)	30	1,200	6					
	Processor Storage								
8560	Memory Reconfiguration Control Unit	100	4,000	10					
8564A	Port Expansion (for 8510A)	120	4,800	25					
8564B	Above, for 8510B	120	4,800	25					
8564C	Above, for 8510C	240	9,600	50					
8564D	Above, for 8510D	240	9,600	50					
8564E	Above, for 8510E	360	14,400	75					
8564F	Above, for 8510F	360	14,400	75					
8564G	Above, for 8510G	480	19,200	100					
8564H	Above, for 8510H	480	19,200	100					
	System: Sigma 9								
	Processors								
8610A	Central Processor (64K-word memory; decimal arithmetic unit; floating-point arithmetic unit; memory map with access protection; memory write protection; 2 register blocks; real-time clocks; power fail-safe; external interface; interrupt control chassis; 8 interrupt levels; MIOP channel A with 8 subchannels; motor generator set)	16,120	644,800	2,240					
8610B	Above, with 80K Words	17,453	698,120	2,510					
8610C	Above, with 96K Words	18,296	731,840	2,780					
8610D	Above, with 112K Words	19,630	785,200	3,050					
8610E	Above, with 128K Words	20,473	818,920	3,140					
8610F	Above, with 160K Words	22,267	890,680	3,680					
8610G	Above, with 192K Words	23,758	950,320	4,040					
8610H	Above, with 224K Words	25,351	1,014,040	4,580					
8610I	Above, with 256K Words	26,545	1,061,800	4,940					
8610J	Above, with 320K Words	30,030	1,201,200	5,840					
8610K	Above, with 384K Words	33,117	1,324,680	6,740					
8610L	Above, with 448K Words	36,602	1,464,480	7,640					
8610M	Above, with 512K Words	39,689	1,587,560	8,540					
	Processor Options								
8611	2 Additional Real-Time Clocks	23	1,000	5					
8616	Additional Register Block	72	3,200	10					
8617	Alternate CPU Bus	67	3,000	10					
	Internal Connection Features								
8621	Additional Interrupt Controller	60	2,700	30					
8622	Priority Interrupt (2 levels; for 8610 or 8621)	10	450	NC					
8664A	Port Expansion for 8610A	214	9,600	50					
8664B	Above, for 8610B	320	14,400	75					
8664C	Above, for 8610C	320	14,400	75					
8664D	Above, for 8610D	427	19,200	100					
8664E	Above, for 8610E	427	19,200	100					
8664F	Above, for 8610F	534	24,000	125					
8664G	Above, for 8610G	640	28,800	150					
8664H	Above, for 8610H	747	33,600	175					
8664I	Above, for 8610I	854	38,400	200					
8664J	Above, for 8610J	1,067	48,000	250					
8664K	Above, for 8610K	1,280	57,600	300					
8664L	Above, for 8610L	1,494	67,200	350					
8664M	Above, for 8610M	1,707	76,800	400					
8670	Additional MIOP — Channel A	445	20,000	155					
8671	4-Byte Interface (for 8610, 8670, or 8675)	67	3,000	15					
8672	Additional 8 Subchannels (for 8610 or 8670)	89	4,000	15					
8673	Memory-to-Memory Move (for 8610 or 8672)	63	2,800	15					
8674	Alternate MIOP Bus (for 8670)	67	3,000	10					
8675	MIOP — Channel B (for 8610 or 8670)	334	15,000	155					
8680	High-Speed RAD IOP	1,000	45,000	200					
8684	Alternate HSRIOP Bus (for 8680)	67	3,000	10					
	For I/O Processors								
7900	Device Subcontroller	—	1,995	—					
7902	Extended Device Subcontroller	—	2,800	—					
7907	Remote Computer Adapter	88	3,500	18					
7908	Computer Interface Adapter	88	3,500	18					

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	For I/O Processors (Contd.)								
7910	Analog Output Controller	113	4,500	23					
7915	Analog Input Controller	113	4,500	23					
7923	Analog and Digital Adapter	88	3,500	18					
7928	Direct Feature	88	3,500	18					
	For Digital I/O								
7929	IOP-to-DIO Adapter	113	4,500	23					
7930	Digital I/O Adapter (requires DIO or 7929)	75	3,000	75					
7931	Digital I/O Expander (requires 7930 and 7935)	50	2,000	10					
7935	Digital I/O Controller (for IOP)	138	5,500	28					
	For Use with 7930, 7931, or 7935								
7942	Interrupt Conditioner 1	4	150	NC					
7943	Interrupt Conditioner 2	3	100	NC					
7944	Interrupt Conditioner 3	3	100	NC					
7950	Stored Output Module (8-bits; can also be used with 7923)	3	100	NC					
7951	Digital Input Module (16-bits)	2	85	NC					
7952	Pulsed Output Module (8-bits; quiescent +8V; can also be used with 7923)	2	85	NC					
7953	Pulsed Output Module (8-bits; quiescent 0V; can also be used with 7923)	2	85	NC					
7954	Pulsed Output Module (8-bits; can also be used with 7923)	3	120	NC					
7955	Stored Input Module (8-bits)	3	120	NC					
7956	Isolated Contact Outputs (4-bits; can also be used with 7923)	2	95	NC					
7957	Serial I/O Module (can be used for serial output on 7923)	4	150	NC					
7958	Programmed Driver (6-bits; can also be used with 7923)	4	150	NC					
7959	Decimal Display Driver (may also be used with 7923)	3	100	NC					
7960	Negative Voltage Outputs (8-bits; can also be used with 7923)	4	150	NC					
7961	Negative Voltage Inputs (8-bits)	3	100	NC					
7962	Digital-to-Analog Converter (8-bits + sign; can also be used with 7923)	8	225	NC					
7963	Type 1 Counter (can also be used with 7923)	6	175	NC					
7964	Type 1 Mercury Relays (can also be used with 7923)	5	160	NC					
7965	A to D Converter (7-bits + sign)	6	180	NC					
	Miscellaneous:								
7901	Peripheral Equipment Tester	—	5,500	—					
7969	Frequency Control Basic	50	2,000	—					
7970	Frequency Source Unit (for 7969)	9	375	2					
7971	Program Control Basic (requires 7969 and DIO)	21	850	4					
7972	Frequency Source Unit (programmed for 7969 and 7971)	30	1,200	6					
	MASS STORAGE DEVICES								
	Disc Storage								
7201	RAD Controller	200	8,000	35	X	X	X	X	X
7202	RAD Storage Unit (0.75-mb; 188,000 bps)	450	18,000	90	X	X	X	X	X
7203	RAD Storage Unit (1.5-mb; 188,000 bps)	600	24,000	120	X	X	X	X	X
7204	RAD Storage Unit (3.0-mb; 188,000 bps)	875	35,000	175	X	X	X	X	X
7211	RAD Controller	450	18,000	50	X	X	X	X	X
7212	RAD Storage (5.3 + mb)	1,500	60,000	250	X	X	X	X	X
7231	Extended Performance RAD Controller (for 7232)	350	14,000	70	X	X	X	X	X
7232	Extended Performance RAD Storage Unit (6.2 + mb)	1,250	50,000	250	X	X	X	X	X
7235	Extended Width Interface Feature (for 7231; 2 or 4 bytes)	63	2,500	15	X	X	X	X	X
7236	Extended Width RAD Controller	663	26,500	50	X	X	X	X	X
7240	Disk Controller (removable)	500	20,000	100	X	X	X	X	X
7241	Extended Width Interface Feature (for 7240; 2 or 4 bytes)	63	2,500	15	X	X	X	X	X
7242	Disk Storage Unit (removable; dual spindle; 48 mb; 312,500 bps)	800	25,000	265	X	X	X	X	X
7242B	Disk Storage Unit (removable; 4 spindle)	1,100	45,000	530	X	X	X	X	X
7243	Device Pooling Feature	260	8,000	50	X	X	X	X	X
7244	Disk Pack (for 7242 or 7246)	31	600	N/A	X	X	X	X	X
7246	Disk Storage Unit (removable; single spindle; 24.5 mb; 312,500 bps)	450	15,000	200	X	X	X	X	X
7247	Device Pooling Feature (single spindle; for 7246)	125	5,000	40	X	X	X	X	X
7260	Disk Controller (+ two 45 mb disc drives)	2,290	91,600	450	X	X	X	X	X
7261	45 mb Disk Drive	490	19,600	140	X	X	X	X	X
1032	2nd Controller (for 7260 disc access)	1,000	40,000	170	X	X	X	X	X
1033	Dual Access (for 45-mb disc drive)	125	5,000	25	X	X	X	X	X
7264	Disk Pack	31	600	NA	X	X	X	X	X
7265	Disk Controller (+ three 91 mb disc drives)	3,625	145,000	625	X	X	X	X	X
7266	91 mb Disk Drive	500	20,000	150	X	X	X	X	X
1034	2nd Controller (for 7265) Dual Access	125	5,000	25	X	X	X	X	X
1035	Dual Access (for 91 mb disc drive)	125	5,000	25	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations				
					Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	INPUT/OUTPUT								
	Magnetic Tape								
7315	Magnetic Tape Controller + 1 Drive	950	28,000	270	X	X	X	X	X
7316	Add-On Tape Drive	450	12,000	170	X	X	X	X	X
7320	Magnetic Tape Control	800	32,000	120	X	X	X	X	X
7322	60 kb Tape Unit (75 ips; 800 bpi)	450	12,000	170	X	X	X	X	X
7323	120-kb Tape Unit	625	27,000	185	X	X	X	X	X
7330	Magnetic Tape Controller (1,600 bpi)	710	28,000	110	X	X	X	X	X
1038	Magnetic Tape Controller (800 bpi; opt)	100	4,000	25	X	X	X	X	X
1039	Extended Width Interface (for 1,600 bpi controller)	63	2,500	15	X	X	X	X	X
7332	Tape Unit (75 ips; 1,600 bpi)	435	18,500	150	X	X	X	X	X
7333	Tape Unit (150 ips; 1,600 bpi)	610	25,850	185	X	X	X	X	X
7361	20 kc Magnetic Tape Control (556 bpi)	150	6,000	40	X	X	X	X	X
7362	20 kc Magnetic Tape Unit (7-channel; 37.5 ips; 556 bpi)	475	19,000	125	X	X	X	X	X
7365	BCD Option (for 7361)	50	2,000	NC	X	X	X	X	X
7371	7-Channel Tape System Control	550	22,000	100	X	X	X	X	X
7372	60-kc Magnetic Tape Unit (200/556/800 bpi; 7-channel; 75 ips)	675	27,000	185	X	X	X	X	X
7374	Binary Packing Option (for 7371)	80	3,200	NC	X	X	X	X	X
	Typewriters								
7012	Keyboard/Printer and Controller (KSR 35)	150	6,000	45	X	X	X	X	X
7014	Spare Mechanism (for 8091/7012)	90	3,600	NC	X	X	X	X	X
7015	Keyboard/Printer (remote; KSR 35)	90	3,600	15	X	X	X	X	X
7016	Printer Only (remote; RO 35)	75	3,000	10	X	X	X	X	X
7017	Keyboard/Printer (ASR 35)	140	5,600	20	X	X	X	X	X
7018	Keyboard/Printer (remote; KSR 37)	115	4,600	20	X	X	X	X	X
7020	Keyboard/Printer (ASR 35)	188	7,500	50	X	X	X	X	X
7021	Spare Mechanism (for 7020 or 8092)	125	5,000	NC	X	X	X	X	X
7025	Keyboard/Printer (remote; KSR 35; DC interface only)	90	3,600	15	X	X	X	X	X
7026	Printer Only (remote; RO 35; DC interface only)	75	3,000	10	X	X	X	X	X
7027	Keyboard/Printer (ASR 35; DC interface only)	140	5,600	20	X	X	X	X	X
	Paper Tape								
7060	7062 Paper Tape Reader; 7063 Punch; and 7064 Spooler with 7061 Controller and Rack	300	12,000	85	X	X	X	X	X
7061	Paper Tape Equipment Cabinet, and Controller	175	7,000	30	X	X	X	X	X
7062	Paper Tape Reader (300 cps)	50	2,000	15	X	X	X	X	X
7063	Paper Tape Punch (120 cps)	63	2,500	25	X	X	X	X	X
7064	Paper Tape Spooler	38	1,500	10	X	X	X	X	X
	Punched Card								
7121	Card Reader (200 cpm)	220	8,800	45	X	X	X	X	X
7122	Card Reader (400 cpm)	400	16,000	120	X	X	X	X	X
7140	Card Reader (1,500 cpm)	600	24,000	180	X	X	X	X	X
7160	Card Punch (300 cpm)	800	32,000	250	X	X	X	X	X
7165	Card Punch (100 cpm)	490	19,600	125	X	X	X	X	X
	Printers								
7440	Buffered Line Printer (600 lpm)	875	35,000	250	X	X	X	X	X
7441	Buffered Line Printer (1,100 lpm)	1,150	46,000	275	X	X	X	X	X
7446	Buffered Line Printer (1,500 lpm)	1,450	62,000	300	X	X	X	X	X
7450	Buffered Line Printer (225 lpm)	563	22,500	140	X	X	X	X	X
	Plotters								
7530	Graph Plotter (11-inch with controller)	325	13,000	75	X	X	X	X	X
7531	Graph Plotter (30-inch with controller)	550	22,000	100	X	X	X	X	X
7534	Graph Plotter Controller (for CalComp **500 Plotter)	210	8,400	45	X	X	X	X	X
7580	Graphic Display	1,125	45,000	300	X	X	X	X	X
	DATA COMMUNICATIONS								
7601	Data Set Controller	175	7,000	35	X	X	X	X	X
7602	Full-Duplex Feature	20	800	NC	X	X	X	X	X
7603	Automatic Dialing Feature	20	800	NC	X	X	X	X	X
7604	Local Batch Terminal Controller	210	8,400	35	X	X	X	X	X
7611	Communications Controller	263	10,500	45	X	X	X	X	X
7612	Timing Module	6	250	NC	X	X	X	X	X
7613	Line Interface Unit	25	1,000	NC	X	X	X	X	X
7615	Formatted Send Module	6	250	2	X	X	X	X	X
7616	Formatted Receive Module	6	250	2	X	X	X	X	X
7618	Automatic Dialing Unit (for I/O processor)	138	5,500	40	X	X	X	X	X
7619	Additional Dialing Position	13	500	NC	X	X	X	X	X
7620	DC Interface	13	500	NC	X	X	X	X	X
7621	EIA Interface	5	200	NC	X	X	X	X	X
7622	MIL Interface	5	200	NC	X	X	X	X	X
7623	DC Power Supply	25	1,000	5	X	X	X	X	X
7630	Communications Controller +	350	14,000	45	X	X	X	X	X
7631	8-Line Expansion Unit	145	5,800	30	X	X	X	X	X
7650	Channel Interface Unit (for I/O processor)	188	7,500	50	X	X	X	X	X
7670	Remote Batch Terminal	900	36,000	180	X	X	X	X	X
	Switching Equipment								
7700	Interprocessor Interrupt Feature	13	500	NC	X	X	X	X	X
7710	Direct I/O Bus-Sharing Adapter	140	5,000	40	X	X	X	X	X

Model Number	Description	Monthly Rental $	Purchase $	Monthly Maint. $	Configurations Sigma 5	Sigma 6	Sigma 7	Sigma 8	Sigma 9
	Switching Equipment (Contd.)								
7720	Peripheral Controller Switch	250	9,000	45	X	X	X	X	X
7721	Manual Control for Peripheral Controller Switches	28	1,000	NC	X	X	X	X	X
7722	Peripheral Controller Switch-Bus Extension	98	3,500	20	X	X	X	X	X

NC — No Charge

Notes:

(1) These features are for processors with obsolete 4K memory module.
(2) All standard Sigma series peripherals can be used with Model 8310 except:
Model 7212 High-Speed RAD
Models 7611 and 7630 Communications Controllers
Model 7580 Graphic Display
(3) 8 subchannels are standard with the Model 8310 Multiplexor I/O Processor and Model 8375 I/O Processor Expansion Unit. Both can be expanded by the addition of up to 2 Model 8376s.
(4) Used only for field expansion of existing 8471s.

SEARCH CHART

Small Business Computers

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Triumph-Adler																						
TA 10	71				X			X				X				X	X	X	X	X		X
TA 100	68	X			X			X	X	X	X	X				X	X	X	X	X		X
TA 1000	73	X				X	X	X	X	X	X	X				X	X	X	X	X		X
TA 1000 Model 20	73	X				X		X		X		X				X	X	X	X	X		X
TA 1000 Model 30	74	X				X		X	X	X		X				X	X	X	X	X		X
ADS 2100	68	X			X			X	X	X	X	X				X	X	X	X	X		X
Advanced Information Access																						
ADAM	73	X				X	X	X			X	X	X			X				X		
ALVAN	73	X				X		X				X						X				
Allied Bus Sys Multibus	72	X				X	X	X			X	X	X			X	X			X		
Basic Four																						
350	71	X				X	X	X		X	X	X	X			X	X			X	X	X
400	71	X				X	X	X		X	X	X	X			X	X			X	X	X
500	71	X				X	X	X		X	X	X	X			X	X			X	X	X
BME																						
daro-Soemtron 382	73	X			X		X				X	X				X	X	X		X		X
1842	73	X			X		X				X	X				X	X	X		X		X
Business Computers Ltd. (BCL)																						
Molecular 6M	73	X				X	X					X	X			X	X	X		X		X
Molecular 18		X				X	X	X	X	X	X	X	X		X		X	X		X	X	X
SADIE					X						X	X				X				X		
SADIE 10	74				X							X									X	
SUSIE					X						X	X				X				X		
Burroughs																						
700	73	X				X	X	X		X	X		X	X	X		X	X	X	X	X	X
1728	73	X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X
1712		X				X	X	X		X			X	X	X	X	X	X	X	X	X	X
1714		X				X	X	X		X			X	X	X	X	X	X	X	X	X	X
1726		X				X	X	X		X			X	X	X	X	X	X	X	X	X	X
L2000		X			X					X	X	X		X			X	X	X	X	X	X
L3000		X			X					X	X	X		X			X	X	X	X	X	X
L4000	70	X			X					X	X	X		X			X	X	X	X	X	X
L5000	70	X			X				X	X	X	X		X			X	X	X	X	X	X
L7000	71	X			X		X		X	X	X	X		X			X	X	X	X	X	X
L8000		X			X				X		X	X		X			X	X	X	X	X	X
Cascade Data																						
Cascade 80 Series	70	X				X	X	X		X	X		X		X						X	
Concept II Series		X				X	X	X		X	X		X		X	X					X	
Compudata 500		X			X			X	X	X	X	X				X	X	X				X
Codon CB 100		X				X	X	X			X		X		X	X					X	
CTM																						
70/400	72	X				X		X	X	X	X	X				X	X	X				X
70/500	73	X				X		X	X	X	X	X				X	X	X				X
70/600	73	X				X	X	X	X	X	X	X				X	X	X				X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Datapoint 2200	71	X			X		X	X		X		X	X		X	X	X	X		X	X	X
Datasaab-Facit																						
D 5/10				X	X						X	X			X		X	X	X	X	X	X
D 5/20				X	X		X	X			X	X			X		X	X	X	X	X	X
D 5/30		X				X	X	X			X	X	X			X	X	X	X	X	X	X
6501	72	X				X	X	X			X	X		X			X	X	X	X		X
Addo System M15	73	X			X			X			X	X				X	X	X	X	X		X
Datasystem Series 500	73	X				X	X	X		X	X	X			X	X	X	X	X	X	X	X
DEC Datasystem Series 300	73	X				X	X	X		X	X	X	X			X	X	X	X	X	X	X
Eldorado Electrodata Mdl 140		X				X	X	X		X	X	X	X			X						
Feiler		X			X				X		X	X					X	X				X
Four-Phase																						
IV/40	73	X				X	X					X	X	X		X					X	
IV/70	71	X				X	X	X		X		X	X	X		X					X	
Fujitsu Facom Mate	71	X			X		X	X			X	X		X								X
Hermes Datasystem 210	73	X			X			X	X			X				X	X	X	X	X		X
Hitachi																						
Hitac 1	70	X			X						X	X				X						X
Hitac 80/10	70	X			X						X	X				X						X
Hohner																						
GDC 505	72	X			X			X			X	X				X	X					
2000 S	71	X			X						X	X				X	X					
5000	70	X				X		X		X	X	X				X	X	X	X	X		X
6000	70	X				X		X		X	X	X				X	X	X	X	X		X
7000	72	X			X				X		X	X				X	X					
8000	70	X				X		X	X	X	X	X				X	X	X	X	X		X
9000	72	X				X	X	X		X	X	X				X	X					
Honeywell																						
53	68	X			X			X		X		X	X					X	X		X	X
55	66	X			X			X		X		X	X					X	X		X	X
Series 100, Mdl 15	71	X				X	X	X		X	X		X	X	X	X					X	
Series 50, Mdl 58	70	X			X		X	X		X	X	X	X	X		X	X	X	X	X	X	X
Series 200, Mdl 105	71	X			X		X	X		X	X	X	X	X	X	X					X	
Series 200, Mdl 115	70	X			X		X	X		X	X		X	X	X	X	X	X	X	X	X	X
Series 2000, Mdl 2020 & 2030	72	X				X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
G105	69	X			X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
G115	66	X			X		X	X		X	X		X	X	X	X	X	X	X	X	X	X
G118		X				X	X	X		X	X		X	X	X	X	X	X	X	X		X
G120	66	X												X	X	X	X	X	X	X	X	X
G130	68	X												X	X	X	X	X	X	X	X	X
H115	70	X			X		X	X		X	X		X	X	X	X	X	X	X	X	X	X
IBM																						
System/3 Mdl 6	70	X			X		X			X		X			X	X	X	X	X	X	X	X
System/3 Mdl 10	70	X				X				X		X	X	X	X	X	X	X	X	X	X	X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
IBM (Contd.)																						
System/3 Model 15	74	X				X	X	X		X			X	X	X	X	X	X	X	X	X	X
360/20 Submdl 5	69	X				X	X	X		X		X	X		X	X	X	X	X	X	X	X
360/20 Submdl 6	71	X			X		X	X		X		X	X		X	X	X	X	X	X	X	X
370/115	74	X				X	X	X		X			X	X	X	X	X	X	X	X	X	X
ICL																						
1901	66	X				X	X	X		X	X		X	X		X	X	X		X		X
1901A	68	X				X	X	X		X	X		X	X		X	X	X		X		X
1901S	73	X				X	X	X		X	X		X	X		X	X	X				X
1901T	74	X				X	X	X		X	X		X	X		X	X	X		X		X
1902A	68					X	X	X		X	X		X	X		X	X	X		X		X
2903	74	X				X	X	X		X	X	X	X	X	X	X	X	X		X		X
iCS System 755	74	X				X	X		X	X	X	X	X			X	X	X				
IME 10001	73	X			X			X	X		X	X	X			X	X	X	X	X		X
Informatek Matek 1026	73	X				X	X					X	X			X		X				
Insel MAEL																						
3000	73	X			X				C		X	X						X	X	X		X
4000	70	X			X		X	X	X	X	X	X				X	X	X	X	X		X
4200	71	X			X				X	X	X	X					X	X	X	X		X
4400	73	X			X				X	X	X	X						X	X	X		X
4420	73	X			X			X	X	X	X	X						X	X	X		X
4425	73	X			X			X		X	X	X						X	X	X		X
4800	72	X			X				X	X	X	X					X	X	X	X		X
4820	73	X			X			X	X	X	X	X					X	X	X	X		X
4825	73	X			X			X		X	X	X					X	X	X	X		X
4850	73	X			X		X	X	X	X	X	X					X	X	X	X		X
4855	74	X			X		X	X		X	X	X					X	X	X	X		X
ISE																						
10/32	73	X			X							X				X	X					
20/64	73	X			X							X				X	X					
3000	72	X			X			X	X			X				X	X					
Kienzle Apparate																						
System 860	65	X			X				X	X	X	X					X	X	X	X		X
4300	73	X			X					X	X	X				X	X	X				X
4500	73	X			X					X		X				X	X	X				X
5000	68	X			X			X		X	X	X				X	X					X
5600	69	X			X			X		X	X	X				X	X	X	X	X		X
6000E	72	X		X		X		X	X	X	X	X				X	X	X	X	X		X
6000M	72	X			X				X	X	X	X				X	X	X	X	X		X
6000R	72	X			X				X	X	X	X				X	X	X	X	X		X
6000S	68	X			X			X	X	X	X	X				X	X	X	X	X		X
6100	72	X				X	X	X	X	X	X	X	X			X	X	X	X	X		X
Litton ABS																						
1220/1221		X			X						X	X					X	X	X	X	X	X
1231		X			X					X	X					X	X	X	X	X		
1241		X			X		X				X	X					X	X	X	X	X	X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Litton ABS (Contd.)																						
1252		X			X		X				X	X				X	X	X	X	X	X	X
1281		X			X				X	X	X	X				X	X	X	X	X	X	X
Lockheed System III	73	X				X	X	X		X			X		X						X	
LogAbax																						
LX 2200	70	X			X			X				X					X	X	X	X		X
LX 2600	73	X			X			X			X	X					X	X	X	X		X
LX 4100	72	X			X				X			X				X	X	X	X	X		X
LX 4200	71	X			X		X	X	X	X	X	X	X		X	X	X	X	X	X		X
Marme GMG 5000	73	X				X	X	X		X	X	X	X	X		X		X				
MBM Computers																						
MBM 7000 (PDP 11/05)	73	X			X		X			X	X	X	X	X		X				X		
MBM 7000 (PDP 11/35)	73	X				X	X			X	X	X	X	X		X				X		
Melcom System MCS 1600	74	X				X	X	X		X	X	X	X		X	X				X		
Mitsubishi Denke Melcom																						
81	68	X			X						X					X						X
82	68	X			X						X	X				X						X
83	69	X	X		X		X	X			X	X				X	X	X		X		X
84	70	X			X		X	X	X		X	X				X	X	X		X		X
88	71	X				X	X	X			X	X	X	X	X	X						X
NCR Century																						
50	71	X				X	X	X		X	X		X	X		X					X	
75, 101		X				X	X	X		X	X		X	X		X	X	X	X	X	X	X
100	68	X				X	X	X		X	X		X	X		X	X	X	X	X	X	X
150-656	73	X				X	X	X		X	X		X	X	X	X				X		X
399	73			X													X	X	X	X	X	X
N-500	65	X			X			X	X	X	X	X				X	X	X	X	X	X	X
Nihon-Denke Neac																						
1210	67	X			X						X	X		X		X						X
1240	67	X			X		X			X	X	X	X	X		X						X
Nihon-Musen Jac																						
110	67	X			X					X	X	X				X						X
322	67	X			X					X	X	X				X						X
322A	67	X			X		X			X	X	X				X						X
110G	68	X			X					X	X	X				X						X
110K	69	X			X						X	X				X						X
120	70	X				X	X	X		X	X	X		F	X	X						X
120M/520	70	X	X			X	X	X			X	X		F		X						X
Nihon-Shingo Pasca 3000	70	X				X	X				X	X				X						X
Nixdorf System																						
820/15	70	X			X			X	X	X	X	X				X	X	X	X	X	X	X
820/25	70	X			X			X	X	X	X	X				X	X	X	X	X	X	X
820/35	70	X			X			X	X	X	X	X				X	X	X	X	X	X	X
840/15	72	X			X			X	X	X	X	X				X	X	X	X	X		X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Nixdorf System (Contd.)																						
840/25	72	X			X			X	X	X	X	X	X			X	X	X	X	X		X
840/35	72	X			X			X	X	X	X	X	X	X		X	X	X	X	X		X
880/45	73	X			X		X	X	X	X	X	X				X	X	X	X	X		X
880/55	71	X			X		X	X	X	X	X	X		X		X	X	X	X	X		X
880/65	72	X				X	X	X		X	X	X	X	X	X	X	X	X	X	X		X
880/85	72	X			X		X	X	X	X	X	X		X		X	X	X	X	X		X
Obbomatic		X			X							X						X				
Oki-Denki Okiminitac																						
500		X			X							X				X						X
510		X			X							X				X						X
610		X			X							X				X						X
710		X			X						X	X				X						X
Olivetti																						
P602	72	X			X			X			X	X				X	X	X	X	X		X
P603	73	X			X			X	X		X	X					X	X	X	X		X
P652	73	X			X			X	X		X	X				X	X	X	X	X		X
Auditronic 730	71	X			X						X	X				X	X	X	X	X	X	X
Auditronic 770	69	X				X			X		X	X				X	X	X	X	X	X	X
Olympia KC 7000	73	X			X							X				X	X					
Philips Electrologica																						
P351	70	X			X							X				X	X	X	X	X	X	X
P352	70	X			X		X	X		X	X	X				X	X	X	X	X	X	X
P353		X			X			X	X	X	X	X					X	X	X	X		X
P354		X			X		X	X	X	X	X	X				X	X	X	X	X	X	X
P355	73	X			X		X	X	X	X	X	X				X	X	X	X	X	X	X
P356		X			X		X	X		X	X	X				X	X	X	X	X	X	X
P358	71	X			X		X	X	X	X	X	X				X	X	X	X	X	X	X
P359	71	X			X		X	X	X	X	X	X				X	X	X	X	X	X	X
Qantel System		X				X	X	X		X	X	X	X		X	X					X	
Remington Rand OCS 1	73	X			X							X				X	X	X	X	X		X
Ricoh Ricom-8	71	X	X		X		X				X	X				X						X
Ricoh Typac																						
8B		X			X							X										X
16B		X			X							X										X
Ricoh Typer																						
200		X			X						X	X				X						X
240		X			X						X	X				X						X
600		X			X						X	X				X						X
Ruf Datensysteme																						
Series 40	73				X			X	X	X	X	X	X			X	X					
Series 70	70				X			X	X	X	X	X				X	X					
Series 80	73				X		X	X	X	X	X	X				X	X					

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Ruf Praetor																						
3000	69	X			X					X	X	X				X		X				X
4000	69	X			X						X	X				X		X				X
5000	69	X				X		X		X	X	X				X		X				X
6000	69	X				X		X		X	X	X				X		X				X
8000	69	X				X		X		X	X	X				X		X				X
Sharp Hayac — 3000		X			X																	X
Siemens System																						
404/3	70	X	X			X	X			X	X	X	X	X	X	X	X					
4004/16	68	X			X		X	X		X	X		X		X	X	X	X	X			X
4004/26	68	X				X	X	X		X	X		X		X	X	X	X	X			X
4004/220	75	X				X	X	X		X	X		X	X	X	X	X	X	X			X
Singer																						
5800	71	X			X				X		X	X					X	X	X	X	X	X
6800	73	X			X		X						X			X					X	
System Ten Models 20 & 21	70	X				X	X	X		X	X	X	X		X		X	X	X	X	X	X
Sumlock Comptometer																						
R Series	70	X				X		X		X	X	X								X		
R3000	72	X			X					X	X	X				X				X		
R4000	72	X			X					X	X	X				X				X		
R5000	71	X				X		X		X	X	X				X				X		
R6000	71	X				X		X		X	X	X				X				X		
R8000	71	X				X		X	X	X	X	X				X				X		
SYNELEC SYN 9	74	X				X	X	X		X	X	X	X			X	X	X				
TEL System 720	73	X			X		X	X	X		X	X	X			X		X		X		
Terminal Display Systems (TDS)																						
System 4007	73	X				X	X	X		X	X	X	X			X				X		
Toshiba Tosbac																						
1100 D		X			X						X	X				X						X
1100 E		X			X						X	X				X						X
1250		X			X		X	X		X	X	X	X			X						X
1200		X			X			X			X	X				X						X
RT-150	71	X																				X
Uchida-Yoco Usac																						
300		X			X																	X
400	70	X			X						X											X
720	71	X			X		X	X	X		X	X				X						X
1500	69	X			X		X			X	X	X		X		X						X
2500	68	X				X	X			X	X					X						X
5010	61	X				X		X				X				X						X
Ultimacc																						
Tape System	70	X				X	X					X	X			X					X	
Disc System	71	X																			X	
Unidata 7.720	75	X				X	X	X		X	X	X	X	X	X	X	X	X	X			X

MANUFACTURER AND MODEL NUMBER	Year of First Delivery	COVERED IN			MAX MAIN MEM		AUX STORAGE AND PERIPHERALS							PROG LAN-GUAGES			MAJOR MARKETS					
		Small Business	Minicomputers	Intelligent Terminals	Under 32K Bytes	32K Bytes and Over	Disc/Drum	Magnetic Tape	Magnetic Ledger	Punched Cards	Paper Tape	Char Printer	Line Printer	Cobol	RPG	Other	Fed. Rep. of Germany	France	Italy	United Kingdom	United States	Other
Univac																						
9200	67	X			X		X			X	X		X	X	X	X	X	X	X	X	X	X
9200 II		X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X
USAC System 720	73	X			X		X	X	X		X	X				X		X		X		
Wagner																						
WACTRONIC	70	X			X				X		X	X				X	X					
WAC 40	72	X				X	X	X	X	X	X	X				X	X					
WAC 400	72	X				X	X	X		X	X	X	X		X	X	X					
Wang 2200	73	X				X	X	X		X		X	X			X					X	

SPECIFICATION CHART

Small Business Computers (A-C)

SYSTEM IDENTITY	Basic/Four Model 350/400/500	Burroughs B 700 Series Model 705 and 711
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	350/400/500	705/71
Word Length (bits)	8	8
I/O Channels	2	2-8
Type of Storage	Core	Core
Capacity (words)	8K-64K	32K-40K
Cycle Time (μ sec)	1.0	1.0
SOFTWARE		
Assembler	No	No
Operating System	Yes	Yes
Compilers	Basic	Cobol; RPG

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	2200	4.2M	NA	A9480 A9481	4.6 mb 9.2 mb	193K 193K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	6100 6200 6201 6202	Reel (9) Reel (7) Reel (7) Reel (7)	800 556/800 200/800 200/556	10,000 10,000 10,000 10,000	A9490-25 A9491-2	Cassette 9	100 100	1,000 10,000

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	4100 4200	Reader (80-col) Reader (80-/96-col)	400 400/800	A9114-1 A9119-1 A9419-2 A9419-6	80-col 96-col 96-col rdr/pnch 96-col rdr/pnch	200 300 300/60 300/60

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	3100	Dot matrix	132	165 cps	A9249-1 A9249-2 A988	Chain Chain Chain	132 132 120	90/60 lpm 180/120 lpm 164 lpm
	3400	Line	132	200 lpm	A9247-2	Train	120	400 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	5100 5200 5210	Reader Punch (std) Punch (adv)	300 75 75	A9122-1 A9222-1	11/16 or 1 in. 11 or 1 in.	40 40

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None			

OTHER PERIPHERALS; COMMENTS	Video display terminal (Model 350/400/500)	AE300 Audit Entry

NA Not Available

SYSTEM IDENTITY	Burroughs B 1700	Burroughs B 1700
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	B 1712	B 1714
Word Length (bits)	24	24
I/O Channels	—	—
Type of Storage	Integrated circuit	Integrated circuit
Capacity (words)	6K-40K bytes	16K-65K bytes
Cycle Time (μ sec)	0.666	0.666
SOFTWARE		
Assembler	Yes	Yes
Operating System	Yes	Yes
Compilers	Cobol; RPG; Fortran; Basic	Cobol; RPG; Fortran; Basic

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	9480	2.3M	NA	9480	2.3M	NA

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	9381 Series	Reel (9)	800	10K/18K/ 36K	9381 Series	Reel (9)	800	10K/18K/ 36K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	9115/9116	Reader	300/600	9115/9116	Reader	300/600
	9119	Reader	300	9119	Reader	300
	9210	Punch	100	9210	Punch	100
	9319	Read/punch/print	300/60	9319	Read/punch/print	300/60

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	9240	Line	132	475/700 lpm	9240	Line	132	475/700 lpm
	9245	Line	132	300/400 lpm	9245	Line	132	300/400 lpm
	9247	Line	132	750 lpm	9247	Line	132	750 lpm
	9249	Line	132	90/180 lpm	9249	Line	132	90/180 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	None			None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	MICR reader-sorters; data communications	

— Not Applicable NA Not Available

SYSTEM IDENTITY	Burroughs B 1700			Burroughs B 1700		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	B 1726			B 1728		
Word Length (bits)	24			24		
I/O Channels	—			—		
Type of Storage	Integrated circuit			Integrated circuit		
Capacity (words)	24K-98K bytes			16K-65K		
Cycle Time (μsec)	0.666			0.667		
SOFTWARE						
Assembler	Yes			No		
Operating System	Yes			Yes		
Compilers	Cobol; RPG; Fortran; Basic			Cobol; Fortran; RPG; Basic		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	9480	2.3M	NA	NA	8.1M	NA
	9486	47.8M	NA			
	9371	From 7M	NA			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	9381 Series	Reel (9)	800	10K/18K/ 36K	NA NA	9 7	NA NA	96K 72K
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	9115/9116	Reader		300/600	NA	96-col rdr/pch		NA
	9119	Reader		300	NA	80-col rdr/pch		800/300
	9210	Punch		100				
	9319	Read/punch/print		300/60				
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	9240	Line	132	475/700 lpm	NA	Line	48	400 lpm
	9245	Line	132	300/400 lpm	NA	Line	NA	1,040 lpm
	9247	Line	132	750 lpm				
	9249	Line	132	90/180 lpm				
	9240-3	Line	132	1,040 lpm				
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				NA	Reader		1,000
					NA	Punch		100
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS					Multiline controller; disc cartridge; MICR; console printer			

— Not Applicable NA Not Available

SYSTEM IDENTITY	Burroughs L2000/3000			Burroughs L4000/5000		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	NA			NA		
Word Length (bits)	64			64		
I/O Channels	Integral			Integral		
Type of Storage	Magnetic disc			Magnetic disc		
Capacity (words)	1,024			1,280		
Cycle Time (μ sec)	5			5		
SOFTWARE						
Assembler	Yes			Yes		
Operating System	Yes			Yes		
Compilers	Cobol			Cobol		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	NA			NA		
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	A595/596 A149	Reader Punch		100 19	A595/596 A149	Reader Punch		100 19
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA	Serial	150	20 cps	NA	Serial	255	20 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	A9122 A9222	Reader Punch		40 40	A9122 A9222	Reader Punch		40 40
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				Yes L5000 Only			
OTHER PERIPHERALS; COMMENTS								

NA Not Available

SYSTEM IDENTITY	Burroughs L7000				Burroughs L8000			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 NA 16 Integral Magnetic disc 2,560-8,704 5				 8200; 8300; 8400; 8500 16 6 MOS/LSI semiconductor 4,000-48,000 1.5			
SOFTWARE Assembler Operating System Compilers	 Yes Yes Cobol				 No No Cobol			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	NA	5,120		15,360	NA			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				A9490-25	Cassette	100	1,000
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	A149 A9114	Punch Reader		19 200	NA A9114-1	96-col 80-col reader		NA 200 cpm
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA A9289	Serial Line	150/255 132	20 cps 60 lpm	A9249-1 NA	Line Line	132 132	90 180
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	A9122 A9222	Reader Punch		40 40	NA	5-, 6-, 7-, or 8-channel		NA
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	Yes				None			
OTHER PERIPHERALS; COMMENTS					Forms handler; communications; edged punched card; magnetic record reader (single or dual track)			

NA Not Available

SYSTEM IDENTITY	Cascade Data Concept II Series	Codon CB100 Distribution Management System
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	8001-8013	CB100
Word Length (bits)	8; 16	12
I/O Channels	—	12
Type of Storage	Core	Core disc
Capacity (words)	8K-64K; 4K-32K; 16K-65K	32K; 13.5K
Cycle Time (μ sec)	0.900	1.4
SOFTWARE		
Assembler	Yes	DEAL Distribution Extended Assembler
Operating System	Yes	COS Codon Operating System
Compilers	RPG	RPG

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	412	5M	195,000	CB100	6.4M	1562K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	421 4005	9 —	800/1,600 1,800	6,000- 18,000 —	CM800	9	800/ 1,600	36K/72K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	650 660	Reader Optical reader	300 300	None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	601	Console	132	30 cps	CB101	Drum	80	350 lpm
	610A	Matrix	132	165 cps	CB102	Drum	132	250 lpm
	620	Line	128	200 cps	CB104	Matrix	80	30 cps
	—	Line	—	600 cps	CB105	Matrix	132	165 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	760 675	Reader Punch	300 75	—		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
			None	

OTHER PERIPHERALS; COMMENTS	695-CRT 640-char display; 696-CRT 1,280-char display	Up to 12 CRTs; 1,200 or 4,800 baud

— Not Applicable

SPECIFICATION CHART

Small Business Computers (D-H)

SYSTEM IDENTITY	Datapoint 2200			Digital Equipment Datasystems 300 Series			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 2200 8 Parallel I/O system Core 16K 1.2			 PDP-8 family of computers 12 (2 char/wd) OMNIBUS Core 8K-32K 1.2			
SOFTWARE Assembler Operating System Compilers	Yes COS; TOS; DOS Basic; RPG			None COS 300 Dibol (Mini-Cobol)			
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	Cartridge	2.4M		RK05-AA DECpack cartridge	3.2M		250K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	7 or 9 cassette	100	750	TD8-EM	Reel	178	17K	
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	Reader (80-col)		600	CRF-8 (opt)	Reader		300	
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Impact Line Thermal	132	30 cps 135 lpm 30 cps	LS8-EA LE8-JA (opt)	Line Line	132 132	60-210 lpm 245-1,110 lpm	
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None			PC8-E	Reader Punch		300 50	
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Display unit available; A/N keyboard std				VT05 CRT keyboard; optional binary synch communications; foreground/background capability with 4 data entry terminals and batch processing			

SYSTEM IDENTITY	Digital Equipment Datasystems 500 Series	Eldorado Electrodata 140
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	PDP-11 family of computers	ee200
Word Length (bits)	16 (2 char/wd)	8/16
I/O Channels	UNIBUS	256
Type of Storage	Core or semiconductor	Core
Capacity (words)	16K-128K	8K-32K
Cycle Time (μ sec)	0.9	1.2
SOFTWARE	3 choices of operating systems:	
Assembler	(1) COS 500 includes Macro assembler, RPG II, and Fortran IV compilers.	Yes
Operating System	(2) CTS 500 includes Basic-Plus compiler.	Keyboard exec
Compilers	(3) CDMS includes MUMPS compiler.	Eldorado String Processor (ESP)

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	RK05-AA RP03-AS (t/s)	2.4M (8-bit char) 40M (8-bit char)	188K 271K	2002 IOMEC	5M	48K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	TU 56 TU 10-EE TU 10-FE	3.9 9 7	140 800 200/556/ 800	10K 36K 9K-36K	Sykes Pec Pec	Cassette 7 9	1,000 bpi 556/800 800	456 10K 10K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	CR11	Reader	300	Documation 200	Reader	300

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	LS11-A LP11-JA (opt)	Line Line	132 132	60-210 lpm 245-1,110 lpm	Potter Data Printer	Line Line	132 132	132 lpm 600 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	PC11	Reader Punch	300 50	Digitronics	Reader	300

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	VT05 CRT keyboard; LA30 DECwriter data terminal; LT33-DC Teletype ASR 33 hard-copy terminal with paper tape rdr/pnch. CTS 500 supports 16 time-sharing users; CDMS up to 10 on-line users.	

SYSTEM IDENTITY	Four-Phase IV/40			Four-Phase IV/70		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	4300; 4500			7001; 7002		
Word Length (bits)	24			24		
I/O Channels	8			8		
Type of Storage	MOS/LSI			MOS/LSI		
Capacity (words)	24K			8K; 32K		
Cycle Time (μ sec)	2			2		
SOFTWARE						
Assembler	Yes			Yes		
Operating System	Yes			Yes		
Compilers	Cobol			Cobol		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	NA	290M (floppy)	NA	NA	290M (floppy)	NA
	NA	2.5M (cartridge)	NA	NA	2.5M (cartridge)	NA
				NA	50M (7002 only)	NA
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				NA	7	556/800	NA
					NA	9	800	NA
					NA	9	1,600	NA
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None				NA	Reader		300
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA	Serial	132	30 cps	NA	Serial	132	30 cps
	NA	Line	132	300 lpm	NA	Line	132	300 lpm
					NA	Line	132	245-700 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS								

NA Not Available

SYSTEM IDENTITY	HIS Series 50 Model 58				HIS Series 100 Model 15			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	58-1				IMI560			
Word Length (bits)	8				8			
I/O Channels	1-8				3			
Type of Storage	Core/ROM				Core			
Capacity (words)	5K-10K/7K				16K-64K			
Cycle Time (μ sec)	1.2/0.35				2 or 4			
SOFTWARE								
Assembler	Yes				Yes			
Operating System	Yes				Yes			
Compilers	Mini-Cobol				Cobol; Fortran; RPG			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	DSS 058	1.73M		156K/250K	DSS 164	2.8M		312K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				MTS 163/ 166	Reel (7; 9)	200/556/ 800; 800/ 1,600	60K
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	NA CPA 050	Reader Punch		100/200 120	NA NA CRZ 111	Reader Punch Reader		400/600 200 400
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA	Line	96/128	100/200 lpm	PRT 110/ 120/130	Line	120	600/780 1,100 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				PTR 100 PTP 120	Reader Punch		500 150
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Communications controller; digital display; optical mark reader				Magnetic ink document sorter; communications controller; console			

NA Not Available

SYSTEM IDENTITY	HIS Series 200 Model 105			HIS Series 200 Model 115		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	106 6 2 or 3 Core 16K-32K 3.5			116 6 2 or 3 Core 16K-32K 2.75		
SOFTWARE Assembler Operating System Compilers	Yes Yes Cobol; RPG; Fortran			Yes Yes Cobol; RPG; Fortran		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	170-2 173-2	4.6M 9.2M	147,500 147,500	155 172 171 276-2	3.6M 9.2M 4.6M 74.8M	147,500 208,000 —
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	204B-23/24	Reel (7)	200/556/800	9,200	204B Series	Reel (7/9)	200/1,600	149,300
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	123 214-1 214-2	Reader Punch Reader/punch		400 100-400 400/100-400	123 214-1 214-2 123-2 123-4	Reader Punch Reader/punch Reader Reader		400 100-400 400/100-400 600 1,050
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	112-3	Line	120	650 lpm	112-3 122	Line Line	120	650 lpm 650-1,100 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	209-2 210	Reader Punch		600 120	209-2 210	Reader Punch		600 120
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Communications controller; console; MICR reader/sorter; OCR reader/sorter				MICR reader/sorter; OCR reader/sorter; remote terminals; teller terminals; console			

— Not Applicable

SYSTEM IDENTITY	HIS Series 2000 Model 2020				HIS Series 2000 Model 2030			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	2021				2032			
Word Length (bits)	6				6			
I/O Channels	3 or 4				6			
Type of Storage	Core				Core			
Capacity (words)	24K-65K				40K-98K			
Cycle Time (μ sec)	2.75				2.0			
SOFTWARE								
Assembler	Yes				Yes			
Operating System	Yes				Yes			
Compilers	Cobol; Fortran; RPG				Cobol; Fortran; RPG			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	NA	9.2 to 149.6 mb/ controller		NA	NA	9.2 to 512.0 mb/ controller		500
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	204-B Series	9	200/556	10/20/30	204-B Series	9	200/556	10/20/30
					NA	9	200/556/ 800/1,600	149.3
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	NA	Reader		400, 600, 1,050	NA	Reader		400, 600, 1,050
	NA	Punch		100-400	NA	Punch		100-400
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA	Line	NA	450, 650, 950, 1,100 lpm	NA	Line	NA	300, 450, 650, 950, 1,100 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	NA	Reader		NA	NA	Reader		NA
	NA	Punch		NA	NA	Punch		NA
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None							
OTHER PERIPHERALS; COMMENTS	OCR; MICR; communications				OCR; MICR; communications			

NA Not Available

SPECIFICATION CHART

Small Business Computers (I-N)

SYSTEM IDENTITY	IBM System/3 Model 6	IBM System/3 Model 10
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	5406	5410
Word Length (bits)	8	8
I/O Channels	Internal	Internal
Type of Storage	Core	Core
Capacity (words)	8K-16K	8K-49K
Cycle Time (μ sec)	1.52	1.52
SOFTWARE		
Assembler	No	Yes
Operating System	Yes	Yes
Compilers	Basic; RPG II	RPG II; Cobol; Fortran

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	5444 Models 1, 2, 3	2.45M	199K
	5444 Mdls 1, 2, 3/A1, A2, A3; 5445	2.45M 2.45M 20.4M	199K 199K 312K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None			
	3411/3410 Mdl 1	Reel (9)	1,600	20K
	3411/3410 Mdl 2	Reel (9)	1,600 (or 800)	40K (or 20K)
	3411/3410 Mdl 3	Reel (9)	1,600 (or 800)	80K (or 40K)

CARDS	Model	Type	Peak Speed, cpm
	5496	On-line data recorder	22
	1442 Models 6, 7	Reader/punch	300/60; 400/120
	5424-A1	Reader/punch	250/60
	5424-A2	Reader/punch	500/120

PRINTERS	Model	Type	Columns	Peak Speed
	5213 Models 1, 2, 3	Serial	132	85 cps
	2222 Models 1, 2	Ledger card (serial)	220	85 cps
	1403 Models 2, N1	Line	132	600/1,100 lpm
	5203 Models 1, 2, 3	Line	96	100/200/300 lpm
	5471	Printer-keyboard	125	15.45 cps

PAPER TAPE	Model	Type	Peak Speed, cps
	None		
	None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	None	
	None	

OTHER PERIPHERALS; COMMENTS	
	CRT display station; MICR reader; off-line card sorter
	Data entry keyboard; MICR reader; optical mark reader; off-line card sorter

SYSTEM IDENTITY	IBM System/3 Model 15	IBM System/360 Model 20 Submodel 5
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	5415	2020 Submodel 5
Word Length (bits)	8	8
I/O Channels	Integrated attachments	Integrated channels
Type of Storage	MOSFET	Core
Capacity (words)	128K	8K-32K
Cycle Time (μ sec)	1.5	2.0
SOFTWARE		
Assembler	Yes	Yes
Operating System	Yes	No
Compilers	RPG II; Cobol; Fortran	RPG

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	5442-A2	4.9M	199K	2311	5.4M	81,000
	5445-1	20.48M	312K	2311 Model 11	2.4M	82,080
				2311 Model 12		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	3410/3411 Mdls 1, 2, 3	7; 9 7; 9 7; 9	1,600/ 800/556/ 200 (all models)	20K 40K 80K	2401/1 2401/2 2401/4 2415 Series	9; 7 9; 7 9; 7 9; 7	800* 800* 1,600* 800/ 1,600*	30K 60K 60K 15K or 30K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	5424-A1	Read/punch/print	250/60/60	1442/5	Punch	91-360
	-A2		500/120/120	2501/A1, A2	Readers	600/1,000
	1442-6	Read/punch	300/80	2520/A1	Reader/punch	500
	-7		400/160	2520/A2, A3	Punches	500/300
	2560 MFCU	Read/punch	500/91	2560 MFCM	Reader/punch	500/91

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	1403-2	Line	132	465 lpm	1403/2, 7	Line	132/120	600 lpm
	-5	Line	132	600 lpm	1403/N1	Line	132	1,100 lpm
	-N1	Line	132	1,100 lpm	2203/A1	Line	120/144	350 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	None			None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	CRT display station; MCR; OCR	MICR reader; communications controller; Selectric typewriter. *All 7-track densities include 200 and 556; 2401 Mod 4 also has 800 on 7-track

SYSTEM IDENTITY	IBM System/360 Model 20 Submodel 6	IBM System/370 Model 115
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	2020 Submodel 6	3115
Word Length (bits)	8	32
I/O Channels	Integrated channels	Intgrtd chnls; adptrs; opt byte mltplxr
Type of Storage	Core	MOSFET
Capacity (words)	8K-16K	40K (160K bytes)
Cycle Time (μ sec)	3.6	0.48
SOFTWARE		
Assembler	Yes	Yes
Operating System	No	Yes
Compilers	RPG	RPG II; Cobol; Fortran; PL/1

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	2311 Model 11 2311 Model 12	5.4M 2.4M	81K 82,080	3348 Mdl 35 Mdl 70	34.9M 69.8M	864K 864K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	2415 Series	9; 7	800/ 1,600; 200/556	15K (or 30K)	3410/3411 Mdls 1, 2, 3	7; 9 7; 9 7; 9	1,600/ 800/556/ 200 (all models)	20K 40K 80K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	1442/5 2501/A1,A2 2520/A1 2520/A2,A3 2560 MFCM	Punch Readers Reader/punch Punches Reader/punch	91-360 600/1,000 500 500/300 500/91	5425-A1 -A2 2560 MFCU	Read/punch/print Read/punch	250/60/60 500/120/ 120/500/91

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	1403/2, 7 1403/N1 2203/A1	Line Line Line	132/120 132 120/144	600 lpm 1,100 lpm 350 lpm	3203-1 -2 5203-3	Line Line Line	132 132 96; 120; 132	600 lpm 1,200 lpm 300 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	None			None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	MICR reader; communications controller; Selectric typewriter	CRT display station; communications modems

SYSTEM IDENTITY	Litton Automated Business Systems Models 1220/1221/1231/1241/1252	Litton Automated Business Systems Model 1281
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	NA	NA
Word Length (bits)	40	40
I/O Channels	16	16
Type of Storage	Drum	Drum
Capacity (words)	2K-4K	2K-4K
Cycle Time (μ sec)	0.5	0.5
SOFTWARE		
Assembler	Yes	Yes
Operating System	Yes	Yes
Compilers	No	No

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			64	Reader	120

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	20/30	Serial	192	35 cps	20/30 33	Serial Serial	192 192	35 cps 35 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	NA	Reader/punch	50	NA	Reader/punch	50

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	Yes		Yes	

OTHER PERIPHERALS; COMMENTS	Drum auxiliary memory for Models 1241, 1252	

NA Not Available

SYSTEM IDENTITY	Lockheed System III	NCR Century 50
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	Lockheed Decimal Processor Core 62K	615-50 8 0 or 1 Rod (thin-film) 16K-32K 0.8
SOFTWARE Assembler Operating System Compilers	Yes, LAP-2 DOS RPG II	Yes Yes Basic; Cobol; Fortran IV; Neat/3

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
		5M (1 rem, 1 fx)		655-101	8.4M	108K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
		9	800	1,600-36,000; 60,000	633	Reel (9)	800/ 1,600	40K/80K
		Cassette	360,000/ side	6-24 ips	633-117	Reel (7)	200/556/ 800	10K/28K/ 40K
					633-119	Reel (9)	800	40K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
		Reader (80 col) Punch (80 col) Reader/punch (96 col)	600 30 300 read/ 60 punch	682-100	Reader	300

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
		Line	132	100 cps	640-122	Line	132	200 lpm
		Line	132	600 lpm	640-132	Line	132	300 lpm
					640-102	Line	132	450 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	None			662-100	Reader	1,000

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	CRT display and console; data entry keyboard std

SYSTEM IDENTITY	NCR Century 100	NCR Century 101
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	615-100	615-101
Word Length (bits)	8	32
I/O Channels	2	2; 1 multiplexor
Type of Storage	Rod (thin-film)	Core
Capacity (words)	16K-32K	4K-16K
Cycle Time (μ sec)	0.8	1.2
SOFTWARE		
Assembler	Yes	
Operating System	Yes	Yes
Compilers	Basic; Cobol; Fortran IV; Neat/3	NEAT/3; Fortran; Cobol; Basic; RPG

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	655-101	8.4M	108K
	655-201	4.2M	108K
	656-101	4.9M	312.5K
	656-102	4.9M	312.5K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	633	Reel (9)	800/ 1,600	40K/80K
	633-117/119	7; 9	200/556/ 800	10/28/40K
	633-111	9	1,600	80K
	633-211	9	1,600	144K
	633-311	9	1,600	144K

CARDS	Model	Type	Peak Speed, cpm
	682-100	Reader	300
	686/687	Punch	80-240/100
	682-100	Reader	300
	686	Reader; punch	560/750/800; 60-294
	680-201	Reader	1,200
	687-301	Punch	100

PRINTERS	Model	Type	Columns	Peak Speed
	640-102	Line	132	450 lpm
	640-102	Line	132	450/900 lpm
	640-300	Line	132	1,200 lpm
	649-150	Line	132	150 lpm

PAPER TAPE	Model	Type	Peak Speed, cps
	622-100	Reader	1,000
	660-101	Reader	1,500
	665-101	Punch	200
	622-100	Reader	1,000
	660-101	Reader	1,500
	665-101	Punch	200

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	None	
	None	

OTHER PERIPHERALS; COMMENTS		MICR; OCR

SYSTEM IDENTITY	NCR N=500							
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 C-517-1 48 1 Core 200-400 1,080							
SOFTWARE Assembler Operating System Compilers	 Yes No No							
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None							
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None							
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	C-582-1 C-577-1	Reader Punch		100 100				
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	C-541	Line	96	125 lpm				
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	C-562-1 C-563-1 C-571-1 C-572-1	Reader Reader Punch Punch		650 50 120 30				
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	N-500							
OTHER PERIPHERALS; COMMENTS								

SPECIFICATION CHART
Small Business Computers (O-Z)

SYSTEM IDENTITY	Qantel System	Singer System Ten
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	QA-2, QB-2, QC-1, QF-1, QD-1	20-101
Word Length (bits)	8	60
I/O Channels	12; 1 multiplexor	3
Type of Storage	Core	Core
Capacity (words)	32K	3K
Cycle Time (μ sec)	1.5	3.3
SOFTWARE		
Assembler	Yes	Yes
Operating System		No
Compilers	RPG	RPG

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	MD-1 ME-1 MP-1	7.6M 30.7M 61.4M		42	4M	229K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	MF-1 MJ-1 MK-1 ML-1 MM-1	9 9 9 9 9	800 800 800 1,600 1,600	10K 20K 20K 40K 40K	None			

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	AC-2	Reader	500	31 35	Reader Punch	1,000 100

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	PO-1 PB-2 PC-1 PE-1	Serial Line Line Line	132 132 24-132 132	100 lpm 200 lpm 1,120 lpm 1,800 lpm	53; 54 55; 56	Line Line	120 120	125; 200 300; 400

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	AD-1	Reader/punch	50	None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	CRT display; control console; communications controller; key numeric input module	Workstation; CRT display; control adapters

SYSTEM IDENTITY	Singer System Ten			Singer System Ten		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 20-102 6 1-2 Core 10K-30K 3.3			 20-104/20-106 6 2-20/3-20 Core 20K-110K 3.3		
SOFTWARE Assembler Operating System Compilers	 Yes No RPG			 Yes No RPG		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	42	8M	229K	40 42	10M 8M	229K 229K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				45	Reel (7; 9)	800/556; 800	20K
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None				30 35	Reader Punch		300 100
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	52	Line	132	110 lpm	50 52	Line Line	132 132	450 lpm 110 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				60 65	Reader Punch		275 150
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Workstation 70; CRT 80; FAC; disc controller; I/O channel				Workstation 70; CRT; FAC; JIS 100; attend. term. 105; data term. 900; communications term. 7102; SCA & ATA (20-106 only); digital clock			

SYSTEM IDENTITY	Singer 6800 System				Ultimacc Systems CRT/Disc Systems			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	20				Nova 1200			
Word Length (bits)	60				16			
I/O Channels	2				15			
Type of Storage	Core				Core			
Capacity (words)	30K				8K-32K			
Cycle Time (μ sec)	3.3				1.2			
SOFTWARE								
Assembler	Yes				Yes			
Operating System	No				Yes			
Compilers	RPG				Basic; Fortran IV			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	42	4M		229K	CRD1	5M		200K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None				None			
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	52	Line	132	110 lpm	NA NA	Line Line	132 136	135 lpm 300 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Model 70 workstation; Model 80 CRT				Teletypewriter; card and paper tape equipment also available			

NA Not Available

SYSTEM IDENTITY	Ultimacc Systems Disc Systems				Ultimacc Systems Tape System			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	Nova 1200 16 15 Core 8K-32K 1.2				Nova 1200 16 1 Core 4K-32K 1.2			
SOFTWARE Assembler Operating System Compilers	Yes Yes Basic; Fortran IV				Yes Yes Basic; Fortran IV			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	KBD1	5M		200K	None			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				TRI-DATA 4196	Car-tridge	300 bpi	1.9K
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None				None			
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA NA	Line Line	132 136	135 lpm 300 lpm	Litton Model 30	Serial	192	30 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Video (CRT) display station; teletypewriter; card and paper tape equipment also available							

NA Not Available

SYSTEM IDENTITY	Univac 9200				Univac 9200 II			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	9200				9200			
Word Length (bits)	8				8			
I/O Channels	Opt mux				Std mux; opt selector			
Type of Storage	Plated wire				Plated wire			
Capacity (words)	8K-16K				8K-32K			
Cycle Time (μ sec)	1.2				1.2			
SOFTWARE								
Assembler	Yes				Yes			
Operating System	Yes				Yes			
Compilers	RPG; Fortran; Cobol				RPG; Fortran; Cobol			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	8410	3.2M		100K	8410 8411 8414	3.2M 7.25M 29M		100K 156K 312.5K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				Uniservo VIC Uniservo 12	Reel (7; 9) Reel (7; 9)	200/556/ 800; 800 200/556/ 800; 800/ 1,600	34.2K 68K
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	0711-00 0603-04	Reader Punch		400 75-200	0711-00 0603-04 0711-02 0716-97 0604-00 0604-99	Reader Punch Reader Reader Punch Punch		400 75-200 600 1,000 200 250
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	0762-00	Line	96 (min)	250 lpm (min)	0762-00 0768-00 0768-99 0762-02	Line Line Line Line	96 (min) 132 132 132	250 lpm (min) 900/1,100 lpm 1,200/1,600 lpm 840-2,000lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	0920-00	Reader/punch		300/110	0920-00	Reader/punch		300/110
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Card controller; remote batch terminal; data communications controllers; optical document reader				Card controller; remote batch terminal; data communications controllers; optical document readers; selector channel			

– Not Applicable NA Not Available

SYSTEM IDENTITY	Wang 2200						
CENTRAL PROCESSOR & WORKING STORAGE							
CPU Model No.	2200						
Word Length (bits)	8						
I/O Channels	6 std; 5 more opt						
Type of Storage	MOS						
Capacity (words)	32K						
Cycle Time (μ sec)	1.6						
SOFTWARE							
Assembler	No						
Operating System	No						
Compilers	Basic (hardwired interpreter)						
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	2230-1 2230-2 2230-3	1.2M 2.4M 4.9M		200K 200K 200K				
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	Cassette 2217		6264	326				
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	2234	Reader		300				
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	2221 2231 2203	Impact Print/ plot Plotter	132 80	150 cps 100 cps 400 steps/ sec				
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	2203	Reader		300				
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None							
OTHER PERIPHERALS; COMMENTS	CRT; mark sense card reader; combined cassette reader/recorder and CRT							

SPECIFICATION CHART

Small Business Computers — European A-E

SYSTEM IDENTITY	Advanced Information Access (AIA) ADAM	Allied Business Systems (ABS) MULTIBUS
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	GRI-99/40	GRI-99/40
Word Length (bits)	16	16
I/O Channels	64 on I/O bus	64 on I/O bus
Type of Storage	Core	Core
Capacity (words)	16,384 to 32,768	8,192 to 32,768
Cycle Time (μ sec)	1.76	1.76
SOFTWARE		
Assembler	No (but see ABS MULTIBUS)	FAST
Operating System	ADAM	GRI-X Real-Time Executive
Compilers	PL/1	None (but see AIA ADAM)

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	CD 1 CD 2 CD 11	2,650,000 2.65M+2.65M fxd 53,000,000	312,000 312,000 312,000	CD 1 CD 2 CD 11	2,650,000 2.65M+2.65M fxd 53,000,000	312,000 312,000 312,000

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	MT 2	9 7/9 7	1,600 800 556	72,000 36,000 25,000	MT 2 GRI-sette	9 7/9 7 1	1,600 800 556	72,000 36,000 25,000 316

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	PU 1 PU 2 PU 3	Typebar Serial Line	80-300 132 136	20 cps 165 cps 200 lpm	PU 1 PU 2 PU 3	Typebar Serial Line	80-300 132 136	20 cps 165 cps 200 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
		Reader Punch	50-1,000 50-150		Reader Punch	50-1,000 50-150

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
		None		None

OTHER PERIPHERALS; COMMENTS	DD 1 A/N Display: 640 char screen DD 2 A/N Display: 1,280-char screen ADAM can support up to 8 display terminals in concurrent use before system degradation	DD 1 A/N Display: 640 char screen DD 2 A/N Display: 1,280-char screen GRI-X can support up to 16 display terminals in concurrent use before system degradation

SYSTEM IDENTITY	ALVAN ALVAN			Anker Werke AG ADS 2100		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	ALVAN 8 4 Drum 524,288			ADS 2101; 2102; 2103; 2104 52 (13 decimal digits) 4-8 interfaces Core 1K; 2K; 3K; 4K (respectively) NA		
SOFTWARE Assembler Operating System Compilers	No: 50 microprograms called from kybd No No			— — —		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	9 / 800 9 / 1,600		36,000 72,000	None		
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			—	Reader	60
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
		Serial / 132	30 cps	—	Serial	
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	None			— —	Reader Punch	400 35
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	None			—	1,040	
OTHER PERIPHERALS; COMMENTS	A/N display console, 1,200-char screen; 256-char set (incl 96 A/N char); 64-key keybd + 2 shift keys; shift allows keys to be used to call up 50 microprograms directly			None		

— Not Applicable NA Not Available

SYSTEM IDENTITY	Büromaschinen-Export (BME) daro-Soemtron 382			Büromaschinen-Export (BME) daro 1840		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 382 48 (11 decimal digits + sign) 3 Core for data; ROM for program 5, 9, 13, 69 or 133			 1840 64 (16 decimal digits) 7 input; 7 output Core 256, 512, or 1,024		
SOFTWARE Assembler Operating System Compilers	No; supplier-programmed No No			No; supplier-programmed No No		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	Drum	7,200 (600 words)			1,024 to 6,144 (fixed)	
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	None					
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None					
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
		Typebar / 72-110	14 cps	1153 1156	Typebar / 180 Serial / 180	20 cps 100 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
		Reader Punch Can read/punch resp edge-punched cards as well	200 50		Reader Punch	200 50
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
		130 A/N char			130 A/N char	
OTHER PERIPHERALS; COMMENTS	Input keyboard comprises A/N cluster in typewriter layout and separate numeric cluster			Input keyboard comprises separate A/N, numeric, and functional clusters; opt fast magnetic ledger card reader		

SYSTEM IDENTITY	Business Computers Ltd Molecular 6M	Business Computers Ltd Molecular 18
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	M.18	M.18
Word Length (bits)	17 + parity	17 + parity
I/O Channels	14 on I/O bus	63 on I/O bus
Type of Storage	Core	Core
Capacity (words)	12,288 or 16,384	4,096 to 32,768 in 4K blocks
Cycle Time (μ sec)	1.6	1.6
SOFTWARE		
Assembler	No; std applications packages only	Yes
Operating System	Basic (BOPSY)	Basic (BOPSY) or Multiprogramming (MOPSY)
Compilers	No	RPG 2

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	D 818	2,494,464	420,000
	D 1600	4,988,928	420,000
	1 fixed/exchangeable disc drive of either model		

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	D 818	2,494,464	420,000
	D 1600	4,988,928	420,000
	Up to 16 fixed/exchangeable disc drives of either model		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None			

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	MT 9/800	9	800	30,000
	MT 7/556	7	556	19,800

CARDS	Model	Type	Peak Speed, cpm
	None		

CARDS	Model	Type	Peak Speed, cpm
	CP 35	Interpreting punch	35
	CPRI 35	Int reader/punch	35
	CR 300	Reader	300
	CR 600	Reader	600
	CR 1000	Reader	1,000

PRINTERS	Model	Type	Columns	Peak Speed
	P 75/248	Serial	248	75 cps
	P 165/132	Serial	132	165 cps
	LP 200	Line	132	200 lpm
	LP 400	Line	132	400 lpm

PRINTERS	Model	Type	Columns	Peak Speed
	P 50/20	Tallyroll	20	50 cps
	P 75/248	Serial	248	75 cps
	P 165/132	Serial	132	165 cps
	LP 200	Line	132	200 lpm
	LP 400	Line	132	400 lpm
	LP 600	Line	132	600 lpm

PAPER TAPE	Model	Type	Peak Speed, cps
	None		

PAPER TAPE	Model	Type	Peak Speed, cps
	TCPU 40	PT/EPC Punch	40
	TCR 175	PT/EPC Reader	175
	TOR 500	PT Reader	500
	TPU 70	PT Punch	70
	TR 200	PT Reader	200

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	None	

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	MSFF	256 bytes
	(attaches to KP 15/156 console typewriter)	

OTHER PERIPHERALS; COMMENTS	
	Up to 6 input/enquiry kybds from KD 77/16 A/N kybd w/16-char dsply; CRT 1280 A/N dsply trmnl: 1,280 char; unbundled sys sold w/applications pkgs; Turnkey prgms opt, chrgd extra

OTHER PERIPHERALS; COMMENTS	
	Up to 16 input/enquiry kybds from KD 77/16 A/N kybd w/16-char dsply; KP 15/156 (IBM 745) I/O typwrt 15 cps CRT 1280 A/N dsply trmnl: 1,280 char Bundled turnkey prgrmmd sys

PT Paper Tape EPC Edge-Punched Cards

SYSTEM IDENTITY	Compudata 500				Computer Technology (CTL) Transaction Processing System (TPS)			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	—				1.11 Modular One			
Word Length (bits)	64				16			
I/O Channels	8				Single bus: 8 channels			
Type of Storage	Core				Core			
Capacity (words)	1,024				32,768-57,324			
Cycle Time (μ sec)	—				0.75			
SOFTWARE								
Assembler	Yes				NAL			
Operating System	Yes				Modus 4, SATOS			
Compilers	—				Basic; Cobol; CORAL 66; Fortran IV			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				1.540	Controller for 4 disc drives		
					1.541	2,048,000 fixed		300,000
					1.542	28,672,000 exch		312,000
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	—	Cassette	—	—	1.560	Controller		
					1.563	9	800	36,000
					1.564	7	556/800	36,000
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	—	Reader		—	1.341	Reader 80-col		400
	—	Punch		—	1.342	Reader 80-col		1,000
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	—	Golfball	131	15.5	1.361/1	Drum	80	356-1,110
					1.361/2	Drum	80	253-843
					1.362/1	Drum	136	245-1,110
					1.362/2	Drum	136	173-843
					1.363	Drum	136	600-1,200
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	—	Reader		—	1.32	Reader		1,000
	—	Punch		—	1.331	Punch		120
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	Yes	NA			None			
OTHER PERIPHERALS; COMMENTS	Cassette used for programs and store dumps				1.451 A/N Display: 1,600-char screen 1.610 communications multiplexer 4 to 108 terminals; Modus 4 and TPS software can support up to 16 display terminals in concurrent use			

— Not Applicable NA Not Available

SYSTEM IDENTITY	CTM 70/400			CTM 70/500		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	70/400			70/500		
Word Length (bits)	8			8		
I/O Channels						
Type of Storage	ROM/Core			ROM/Core		
Capacity (words)	8K/4K-48K			8K/4K-48K		
Cycle Time (μ sec)	0.5/0.75			0.5/0.75		
SOFTWARE						
Assembler	Yes			Yes		
Operating System	No			No		
Compilers	No			No		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
		Cassette (1 trk) / 800 bpi	1.2K		Cassette (1 trk) / 800 bpi	1.2K
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
		Reader	200 col/sec		Reader	200 col/sec
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	Console LX 180	Golfball / 131	15.5 cps	Console LX 180	Matrix / 160	140 cps
		Matrix / 160	180 cps		Matrix / 160	180 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	70/930	Reader	200	70/930	Reader	200
	70/932	Punch	40-70	70/932	Punch	40-70
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
		256 or 512			256 or 512	
OTHER PERIPHERALS; COMMENTS	None			None		

SYSTEM IDENTITY	CTM 70/600			Datasaab-Facit D5/30		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	70/600			—		
Word Length (bits)	8			16		
I/O Channels				—		
Type of Storage	ROM/core			Core		
Capacity (words)	16K/8K-48K			4K-64K		
Cycle Time (μ sec)	0.5/0.75			0-1.2		
SOFTWARE						
Assembler	Yes			DAL53		
Operating System	Yes			OS53B; OS5DC		
Compilers	No			Basic; Fortran; DIL5; DPL5		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
		5M	200K	2123	8.2M	156,000
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
		Cassette (1-trk) / 800 bpi	1.2K	— —	Cassette / 800 bpi 9-track / 800; 1,600	— 20K; 40K
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
		Reader	200 col/sec	—	Reader	390
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	Console LX 180	Matrix / 160 Matrix / 160	140 cps 180 cps	— — Olivetti Te 318	Serial / 80 Line / 132 Serial / 80	15 cps 400 lpm 10 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	70/930 70/932	Reader Punch	200 40-70	— Olivetti Te 318	Reader Reader/punch	200 10
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
		256 or 512		None		
OTHER PERIPHERALS; COMMENTS	None			A/N display		

— Not Applicable

SYSTEM IDENTITY	Datasaab-Facit Addo M15	Datasaab-Facit Facit 6501 Team
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	M15	Facit 5051 (Computer Automation Alpha/LSI)
Word Length (bits)	12	16
I/O Channels		DMA, Maxi-bus: 1-16 workstations
Type of Storage	ROM/MOS-RAM	MOS/LSI
Capacity (words)	/1K	8,192 to 32,768
Cycle Time (μ sec)	0.64/1.0	1.6
SOFTWARE		
Assembler	No	No
Operating System	In ROM	Yes
Compilers	No	LOGIC-3 (Cobol dialect)

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			4801	2,494,464	195,000
				5129	Controller for 1-4 fixed exch drives; max on-line cap: 20M bytes	

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
		Cassette (1-trk)	800 bpi	600	4203	1	800 bpi	375 or 750
					4220	9	800	10,000

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Facit 3840	Type-writer	132 up-wards	14 cps	3851	Typwrtr	132 + Un-limited	12 cps
					4552	Strip	132	15 cps
					4553	Serial	132	15 cps
					4561	Serial	132	165 cps
						Serial	132	330 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
		Cassette loop reader	120 (12-bit words)	4001	Reader (5-8-trk)	1,000
				4020	Reader (5-8-trk)	300
				4070	Punch (5-8-trk)	70

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	None	4406 CRT display: 16 lines of 64 char 4626 num kybd: 10 num, 7 op, 16 funct 4627 A/N kybd: 58 keys; up to 16 workstations: 1 kybd, 1 inp, 4 output dev/WS

SPECIFICATION CHART

Small Business Computers — European F-J

SYSTEM IDENTITY	Hermes Data System 210				Hohner Computer GDC 505			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	IME 10001				—			
Word Length (bits)	80				20 (programs); 64 (data)			
I/O Channels	2				—			
Type of Storage	Core				ROS (programs); Core (data)			
Capacity (words)	200 - 1,000				4K; 4-16 (respectively)			
Cycle Time (μ sec)	3.2/8-bit access				4.0			
SOFTWARE								
Assembler	No; keyboard programming				—			
Operating System	No				—			
Compilers	No				—			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				None			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	Cassette	1		40	—	Cassette	—	600
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None				None			
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console	Typwrtr	180	18 cps	—	Golfball	131	16 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	Tally 2000	Reader/Punch		300 rd, 30p	—	Punch		40
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	Bimatic	(1) 110 A/N or 220 numeric (2) 190 A/N or 380 numeric			None			
OTHER PERIPHERALS; COMMENTS	Console kybd: TW A/N kybd: 19 num. 56 func and op keys; kybd has 2-line display				None			

— Not Applicable

SYSTEM IDENTITY	Hohner Computer 2000S			Hohner Computer 5000		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	—			—		
Word Length (bits)	20 (programs); 64 (data)			20 (programs); 64 (data)		
I/O Channels	—			—		
Type of Storage	ROS (programs); core (data)			ROS (programs); core (programs and data)		
Capacity (words)	2K; 16 (respectively)			3K-80K (4 bit words)		
Cycle Time (μ sec)	4.0			4.0/12-bit access		
SOFTWARE						
Assembler	—			Yes		
Operating System	—			Yes		
Compilers	—			—		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks)	Char/In. / Peak Xfer, cps	Model	Type (trks)	Char/In. / Peak Xfer, cps
	None			—	Cassette	— / 600
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			— —	Reader Punch	200 cps 40 cps
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type	Columns / Peak Speed
	—	Golfball / 131	16 cps	—	Golfball Matrix	131 / 16 cps 136 / 160 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	—	Punch	40	— —	Reader Punch	200 40
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	None			None		
OTHER PERIPHERALS; COMMENTS	None					

— Not Applicable

SYSTEM IDENTITY	Hohner Computer 6000			Hohner Computer 7000		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	— 20 (programs); 64 (data) — ROS (programs); core (data and/or programs) 3K-80K (4-bit words) 4.0/12-bit access			— 64 (data); 20 (programs) — Core; ROS 21K/22K (4-bit words) 4.0/12-bit access		
SOFTWARE Assembler Operating System Compilers	Yes Yes —			Yes Yes —		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	—	Cassette / —	600	None		
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	— —	Reader Punch	200 cps 40 cps	None		
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	—	Golfball / 131 Matrix / 136	16 cps 160 cps	—	Golfball / 131	16 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	— —	Reader Punch	200 40	—	Punch	40
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	None			—	1,024 decimal digits	
OTHER PERIPHERALS; COMMENTS				None		

— Not Applicable

SYSTEM IDENTITY	Hohner Computer 8000				Hohner Computer 9000			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	— 64 (data); 20 (programs) — Core; ROS — 4.0/12-bit access				9002 20 (programs); 12 (data) — Core 46K–76K (4-bit words) 4.0/12-bit access			
SOFTWARE Assembler Operating System Compilers	Yes Yes —				Yes Yes —			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				2002	2,457,600		200K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	—	Cassette	—	600	—	Cassette	—	600
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	— —	Reader Punch		200 cps 40 cps	— —	Reader Punch		200 cps 40 cps
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	— —	Golfball Serial	131 136	16 cps 160 cps	— —	Golfball Serial	131 136	16 cps 160 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	— —	Reader Punch		200 40	— —	Reader Punch		200 40
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	—	1,024 decimal digits			None			
OTHER PERIPHERALS; COMMENTS	None				None			

— Not Applicable

SYSTEM IDENTITY	Honeywell-Bull G-105A				Honeywell-Bull G-105RTS			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	105A04 8 + parity — Core 4K; 8K 7.5				105RT1/2 8 + parity — Core 4K; 8K 7.5			
SOFTWARE Assembler Operating System Compilers	BAPS COS LOGEL 1 and 2				BAPS COS LOGEL 1 and 2			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				None			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	CRZ100 CPZ101	Reader Punch		300 60-200	CRZ100 CPZ101	Reader Punch		300 60-200
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	NA	Drum	104	250 lpm	NA	Drum	104	250 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	PTR100 PTR101	Reader Square-hole reader		500 400	None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	None				Comm: SLC 100 — 2,400 bps; SLC 111 — 1,200 bps			

— Not Applicable NA Not Available

SYSTEM IDENTITY	Honeywell-Bull G-105B	Honeywell-Bull G-105T
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	105B08	105T08; 105T12; 105T16
Word Length (bits)	8 + parity	8 + parity
I/O Channels	—	—
Type of Storage	Core	Core
Capacity (words)	8K	8K; 12K; 16K
Cycle Time (μ sec)	7.5	7.5
SOFTWARE		
Assembler	BAPS	BAPS
Operating System	COS	COS
Compilers	LOGEL 1 and 2	LOGEL; Cobol; Fortran

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				101* 163/103* 106* 114/117* 163; 166*	9; 7 9; 7 9; 7 7 9; 7	800* 800* 800* 800* 1,600*	15K 30K 60K 7.5K; 21K 30K; 60K

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	CRP100	Reader-punch	300	CRZ100	Reader	300

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	PTR100	Drum	104; 120/ 136	300 lpm	PTR100	Drum	104; 120/ 136	300 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	PTR101	Square-hole reader	400	PTR100 PTR101 PTR110	Reader Reader Punch	NA NA NA

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	None	*Mag tape models: MTS 101/MTH 101; MTS 163/MTH 103; MTC 106/MTH 106; MTC 114/MTH 117; MTS 163/MTH 163; MTS 166/MTH 166; 7-trk mag tape, 200/ 556 bpi

— Not Applicable NA Not Available

SYSTEM IDENTITY	Honeywell-Bull G-115			Honeywell-Bull G-118		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	115			118		
Word Length (bits)	8 + parity			8 + parity		
I/O Channels	—			3		
Type of Storage	Core			Core		
Capacity (words)	8K; 12K; 16K			12K; 16K; 24K; 32K		
Cycle Time (μ sec)	6.5			4.0		
SOFTWARE						
Assembler	APS			APS		
Operating System	TOS; DOS; DOS II			DOS; DOS II; EDOS		
Compilers	LOGEL; Cobol; Fortran			LOGEL; Fortran IV; Cobol; RPG		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	110* 130* 161*; 162* ADU 157	1.5M 2M 7.7M; 3.8M 15.4M	208K 77.7K 208K NA	See G-115		
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	See G-105T				See G-105T			
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	CRZ111 CRZ120 CRZ101 CRZ102 CRP100	Reader Reader Punch Punch Reader-punch		400 600 60-200 300 300	CRZ111 CRZ120 CPZ101 CPZ102 CRP100	Reader Reader Punch Punch Reader-punch		400 600 60-200 300 300
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	PTR100 PTR110 PTR120 PTR130	Drum Drum Drum Drum	104;120/136 104;120/136 120;136 120;136	300 lpm 600 lpm 780 lpm 1,100 lpm	PTR100 PTR110 PTR120 PTR130	Drum Drum Drum Drum	104;120/136 104;120/136 120; 136 120; 136	300 lpm 600 lpm 780 lpm 1,100 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	PTR100 PTR101 PTP110 PTP120	Reader Sq-hole reader Punch Punch		500 400 60 150	PTR100 PTR101 PTP110 PTP120	Reader Sq-hole reader Punch Punch		500 400 60 150
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Communications: SLC 100, SLC 111, MRS 101, SLC 113, MLC 104 *Disc models: DSS110/DSU110;DSS130/DSU130;DSS161/DSU161;DSS162/DSU162				Communications: SLC 100, SLC 111, MRS 101, SLC 113, MLC 104			

– Not Applicable NA Not Available

SYSTEM IDENTITY	Honeywell-Bull G-120	Honeywell-Bull G-130
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	120	130
Word Length (bits)	8 + parity	8 + parity
I/O Channels	3	3
Type of Storage	Core	Core
Capacity (words)	12K-64K	16K-64K
Cycle Time (μ sec)	3.0	2.0
SOFTWARE		
Assembler	APS	APS
Operating System	ETOS; EDOS	ETOS; EDOS
Compilers	LOGEL; Fortran IV; Cobol; RPG; Cobol-IDS	LOGEL; Fortran IV; Cobol; RPG; Cobol-IDS

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	See G-115			See G-115		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	See G-105T				See G-105T			

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	CRZ111	Reader	400	CRZ111	Reader	400
	CRZ120	Reader	600	CRZ120	Reader	600
	CPZ101	Punch	60-200	CPZ101	Punch	60-200
	CPZ102	Punch	300	CPZ102	Punch	300
	CRP100	Reader-punch	300	CRP100	Reader-punch	300

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	PTR100	Drum	104;120/136	300 lpm	PTR100	Drum	104;120/136	300 lpm
	PTR110	Drum	104;120 136	600 lpm	PTR110	Drum	104;120/136	600 lpm
	PTR120	Drum	120; 136	780 lpm	PTR120	Drum	120; 136	780 lpm
	PTR130	Drum	120; 136	1,100 lpm	PTR130	Drum	120; 136	1,100 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	PTR100	Reader	500	PTR100	Reader	500
	PTR101	Sq-hole reader	400	PTR101	Sq-hole reader	400
	PTP110	Punch	60	PTP110	Punch	60
	PTP120	Punch	150	PTP120	Punch	150

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	Communications: SLC 100, SLC 111, MRS 101, SLC 113, MLC 104	Communications: SLC 100, SLC 111, MRS 101, SLC 113, MLC 104

SYSTEM IDENTITY	Honeywell-Bull Series 50 Model 58		ICL 1901A	
CENTRAL PROCESSOR & WORKING STORAGE				
CPU Model No.	58/01-02	58/03-06	2010	
Word Length (bits)	8	8	24	
I/O Channels	2-3	3-8	3 int. adptrs; 1-4 std intfce channels	
Type of Storage	Core/ROM	ROM/Core/Ex. Core	Core	
Capacity (words)	5K-10K/4.5K	7K/5K-10K/8-64K	8K-16K	
Cycle Time (μ sec)	1.2/0.35	0.3/1.2/3.6	4.0 (12-bit half-word access)	
SOFTWARE				
Assembler	Yes G. SAL	Yes G. SAL	PLAN	
Operating System	Yes EOS/Card	DOS	Executive, GEORGE 1S	
Compilers	Mini-Cobol	Mini-Cobol, Cobol, Fortran	Cobol, Fortran, NICOL	

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	DSU 070	1.15M	312K	2807/1	6,200,000	208,000
	DSU 110	1.15M	156K	2808	8,200,000	208,000
	DSU 162	2.88M-5.76M	156K			
	DSU 178	23.04M	312K			

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	MFTU 050	9		1.2K				
	MTS 050	9	800	30K	1971	7	200/556	20,850

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	NA	Reader	100	1920	Punch	100
	CPA 050	Punch	120	2101/0	Reader	1,200
		Reader	200	2101/2	Reader	2,000
		Reader	300	2104	Reader	600
				2105	Reader (integ)	300

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	PRT 062	Line	128	200 lpm	1933/2	Line	120	1,100-1,350
	PRT 065	Line	96	100 lpm	1933/3	Line	160	1,100-1,350
	PRT 066	Line	128	100 lpm	2404/2	Line	120	300-355
	PRT 072	Line	136-160	400 lpm	2405/2	Line	120	575-710
	PRT 076	Line	136-160	800 lpm				

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	PRT 050	Reader	125	1916/2,3	Reader	1,000
	PTP 055	Punch	105	1925/2	Punch	110
				2601/1	Reader/Punch	300/110
				2602/1	Reader/Punch	1,000/110

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	TermiNet 300 (1-4), DTS7200 A/N Display/ (1,800 chars) (1-4) Comm controller; optical mark reader; can be used on-line to IBM 360/370, Honeywell 2000 and 6000 Series	7071/7072 TTY terminal, local or remote; or 1-8 local 7181/4 CRT display terminal or 4,800 bps datacomm line to larger 1900 series system

NA Not Available

SYSTEM IDENTITY	ICL 1901S	ICL 1901T
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	2012	2016
Word Length (bits)	24	24
I/O Channels	2 int adptrs; 4 std intfce channels	2 int adapters, 1-7 std intfc
Type of Storage	Core	MOS/LSI or Core
Capacity (words)	8K-16K	20K-60K in 8K increments
Cycle Time (μ sec)	2.0 (12-bit half-word access)	4.0
SOFTWARE		
Assembler	PLAN	PLAN
Operating System	Executive, GEORGE 1S	Execs E3WS, E3RM, GEORGE 1, or 2
Compilers	Cobol, Fortran, NICOL	NICOL, Cobol, Fortran, Algol, JEAN

DISC

Model	Capacity, char/pack	Peak Xfer, cps
2808	8,200,000	208,000

Model	Capacity, char/pack	Peak Xfer, cps
2814 EDS30	30,756,056	416,000
2815 EDS60	61,530,112	416,000
Up to 8 drives on-line; max combined capacity 492M char.		

MAGNETIC TAPE

Model	Type (trks)	Char/In.	Peak Xfer, cps
1971	7	200/556	20,850

Model	Type (trks)	Char/In.	Peak Xfer, cps
1971/1,2	7	200/556	20,850
1972/1,2	7	200/556	41,700
1973/1,2	7	556/800	60,000
2508/1,2,3	9	1,600	80,000
2509/1,2,3	9	1,600	160,000

CARDS

Model	Type	Peak Speed, cpm
1920	Punch	100
2101/0	Reader	1,200
2101/2	Reader	2,000
2104	Reader	600
2105	Reader (integ)	300

Model	Type	Peak Speed, cpm
1920	Punch	100
2101/0	Reader	1,200
2101/2	Reader	2,000
2102	Reader	300
2104	Reader	600

PRINTERS

Model	Type	Columns	Peak Speed
1933/2	Line	120	1,100-1,350
1933/3	Line	160	1,100-1,350
2404/3	Line	132	300-355
2405/3	Line	132	575-710

Model	Type	Columns	Peak Speed
1933	Line	120,160	1,100-1,350
2408/3	Line	132	300-375
2409/3	Line	132	600-750
2430	Train	132,160	850-1,500

PAPER TAPE

Model	Type	Peak Speed, cps
1916/2,3	Reader	1,000
1925/2	Punch	110
2601/1	Reader/Punch	300/110
2602/1	Reader/Punch	1,000/110

Model	Type	Peak Speed, cps
1916/2,3	Reader	1,000
1925	Punch	110
2601/1	Reader/Punch	300/110
2602/1	Reader/Punch	1,000/110

MAGNETIC STRIPE LEDGER CARDS

Model	Capacity, char/stripe
None	

Model	Capacity, char/stripe
None	

OTHER PERIPHERALS; COMMENTS		
	7071/7072 TTY term, local or remote; or 1-8 local 7181/4 CRT displays 2000 ch; or 4,800-bps datacomm line to larger 1900 Series system	1934 Graph Plotter 200/300 ips; 8301 OMR, 8401 OCR/OMR doc rdrs 150-300 dpm:up to 8 local/remote 7181/2 CRT display termls (2,000 chars)on-line to integral VDU adapter; 7830/9 scanner for other terminals

SYSTEM IDENTITY	ICL 2903			Internationale Computer Systeme (iCS) iCS System 755		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	2903/0			iCS 755		
Word Length (bits)	24			16 + parity		
I/O Channels	Internal			1 selector, 4 slow		
Type of Storage	Semiconductor			MOS		
Capacity (words)	16K-48K			8,192 to 32,768		
Cycle Time (μ sec)	1.4			0.95		
SOFTWARE						
Assembler	None			Yes, but systems mostly supplier-progrmd		
Operating System	Executives: Single-Program, Multislot			Yes		
Compilers	Multiprogramming			Fortran		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	2822	4.9M	416K	Floppy	262,144	30,000
	2815 EDS	60M	416K	Cartridge	2,200,000	198,000
	60			Macro	30,000,000	312,000
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	2508	9	1,600	80K	None			
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	2104/1	Reader		600		Reader		300
	2108/1	Reader		300		Punch		20 cps
	1920	Punch		100				
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	2409/3	Line	132	600	Console	Serial	132	140-180cps
	2411/3	Line	132	300	Additional	Serial	132	180 cps
					Additional	Line	132	200 lpm
					Additional	Line	132	400 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	1916/2	Reader		1,000		Reader		300
	1925/2	Punch		110		Punch		40
						Punch (High-speed)		150
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None					128, 256, or 512 bytes		
OTHER PERIPHERALS; COMMENTS	1-8 local 2251 Direct Data Entry stations (256-char display screens); 1-8 local or remote 7181/2 CRT file inquiry/updating terminals				SuperBee A/N Display, 2,000-char screen. Available as single-kybd disc and/or magnetic ledger system. Multiterminal version in preparation			

SYSTEM IDENTITY	IME 10001	Informatek Matek 1026
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	IME 10001	Varian 620L
Word Length (bits)	80	16
I/O Channels	2	I/O Bus
Type of Storage	Core	Core
Capacity (words)	200-1,000	8,192 to 32,768
Cycle Time (μ sec)	3.2/8-bit access	1.8
SOFTWARE		
Assembler	No. Keyboard programming	Yes
Operating System	No	Yes
Compilers	No	No, but standard invoicing, payroll inventory control, acctg & stat pkgs

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			Cartridge	5,000,000 + 5,000,000 fixed	198,000

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	Cassette	1p side		40	None			

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console	Typwrtr	180	18 cps	LX 180	Serial	132	180 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	Tally 2000	Reader/Punch	300 rd, 30p	None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	Bimatic Bimatic	(1) 110 A/N or 220 numeric (2) 190 A/N or 380 numeric	None	

OTHER PERIPHERALS; COMMENTS	Console kybd; TW A/N kybd; 19-key num. 56 function and op keys; kybd has 2-line display that may be rotated by operator	SINTRA TTE A/N displays, 480-to 1,920 - char screens. System can support up to 16 local and/or remote terminals.

SYSTEM IDENTITY	INSEL MAEL 3000			INSEL MAEL 4200, 4400, and 4800		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	MAEL 4000E 8 2 Core 2,048 6.0			MAEL 4000E 8 2 Core 2,048; 4,096; or 8,192 6.0		
SOFTWARE Assembler Operating System Compilers	No No No			Under development Paper Tape-oriented No		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			F1115 MCP 30	Reader (80 col) Reader (marks)	200 40
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	IBM 745	Typwrtr	156	15 cps	IBM 745 4101 4102	Typwrtr Serial Serial	156 132 132	15 cps 165 cps 330 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	GNT 24 GNT 34	PT/EPC reader PT/EPC punch PT = Paper tape EPC = Edge punch card	30-40 30-35	5201 GNT 24 GNT 34	PT reader PT/EPC reader PT/EPC punch	520 30-40 30-35
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	MGC 4051 Optional attachment to IBM 745 console typwrtr, factory-fitted only	200		MGC 4051 Optional attachment to IBM 745 console typwrtr, factory or field-fitted	200	
OTHER PERIPHERALS; COMMENTS	Integrated invoicing/ledger accounting system, sold with turnkey programs			Dual-purpose scientific desk calculator/ small business invoicing/ledger acctg computer. Programs can be executed from core, kybd or directly from PT or EPC		

SYSTEM IDENTITY	INSEL MAEL 4420, 4820	INSEL MAEL 4425, 4825
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	MAEL 4000E	MAEL 4000E
Word Length (bits)	8	8
I/O Channels	2	2
Type of Storage	Core	Core
Capacity (words)	4,096; or 8,192	4,096; or 8,192
Cycle Time (μ sec)	6.0	6.0
SOFTWARE		
Assembler	Under development	Under development
Operating System	Magnetic Tape-oriented	Magnetic Tape-oriented
Compilers	No	No

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	None		

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	4104	1 (cass)	800	1,000

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	4104	1 (cass)	800	1,000

CARDS	Model	Type	Peak Speed, cpm
	F1115 MCP 30	Reader (80 col) Reader (marks)	200 40

CARDS	Model	Type	Peak Speed, cpm
	F1115 MCP 30	Reader (80 col) Reader (marks)	200 40

PRINTERS	Model	Type	Columns	Peak Speed
	IBM 745 4101 4102	Typwrtr Serial Serial	156 132 132	15 cps 165 cps 330 cps

PRINTERS	Model	Type	Columns	Peak Speed
	4101 4102	Serial Serial	132 132	165 cps 330 cps

PAPER TAPE	Model	Type	Peak Speed, cps
	5201 GNT 24 GNT 34	PT Reader PT/EPC Reader PT/EPC Punch PT = Paper tape EPC = Edge punch card	520 30-40 30-35

PAPER TAPE	Model	Type	Peak Speed, cps
	5201 GNT 24 GNT 34	PT Reader PT/EPC Reader PT/EPC Punch	520 30-40 30-35

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	MGC 4051	200
	Optional attachment to IBM 745 console typwrtr	

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	None	

OTHER PERIPHERALS; COMMENTS	Kybd-oriented dual-purpose desk calculator/accounting computer, with console typwrtr. Off-line MAEL 4021 data capture units available for MT cassette batch data recording	Kybd-oriented dual-purpose desk calculator/accounting computer with MAEL 4902 console CRT display: 1,024 chars. Off-line MAEL 4021 data capture units available for MT cassette recording

SYSTEM IDENTITY	INSEL MAEL 4850			INSEL MAEL 4855		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	MAEL 4000E 8 2 Core 8,192 6.0			MAEL 4000E 8 2 Core 8,192 6.0		
SOFTWARE Assembler Operating System Compilers	Under development Disc-oriented No			Under development Disc-oriented No		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	Iomec 3002 Shugart SA 900/901	1,920,000 390,000 Up to 16 drives on-line for Max capacity of 30M bytes	195,000* 31,000*	Iomec 3002 Shugart SA 900/1	1,920,000 390,000 Up to 16 drives on-line Max comb cap: 30M bytes	195,000* 31,000
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	4104 Under dev	1 (cass) 9	800 bpi 800	1,000 10,000	4104 Under dev	1 (cass) 9	800 bpi 800	1,000 10,000
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	F1115 MCP 30	Reader (80 col) Reader (marks)		200 40	F1115 MCP 30	Reader (80 col) Reader (marks)		200 40
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	IBM 745 4101 4102	Typwrtr Serial Serial	156 132 132	15 cps 165 cps 330 cps	4101 4102	Serial Serial	132 132	165 cps 330 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	5201 GNT 24 GNT 34	PT Reader PT/EPC Reader PT/EPC Punch PT = Paper tape EPC = Edge punch card		520 30-40 30-35	5201 GNT 24 GNT 34	PT Reader PT/EPC Reader PT/EPC Punch		520 30-40 30-35
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	MGC 4051 Optional attachment to IBM 745 console typwrtr	200			None			
OTHER PERIPHERALS; COMMENTS	Kybd-oriented desk calculator/disc processing small business computer with console typewriter. Off-line MAEL 4021 data capture units available for batch input data recording on MT cassettes				Up to 8 local or 7 local and 8 remote MAEL 4901 CRT display terminals (1,024 chars) can be connected to Polling Scanner for on-line data entry with MAEL 4902 console CRT display			

SYSTEM IDENTITY	ISE 10/32				ISE 10/64			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	10/32 18 (programs); 64 (data) 2 ROM (programs); MOS (data) 100-800 (programs); 32 (data)				10/64 18 (programs); 64 (data) 2 ROM (programs); MOS (data) 1K-2K (programs); 16-64 (data)			
SOFTWARE Assembler Operating System Compilers	Yes No No				Yes No No			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				None			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None				None			
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
		Serial Golfball	131	15.5 cps		Serial Golfball	131	15.5 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	A/N kybd for all input				A/N kybd for all input			

SYSTEM IDENTITY	ISE 3000							
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	3000 28 (programs); 64 (data) ROM (programs); MOS (programs; data) 1K-2K (programs); 45-285 (data)							
SOFTWARE Assembler Operating System Compilers	Yes No No							
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None							
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
		Cassette						
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None							
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
		Serial Golfball	131	15.5 cps				
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None							
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
		270						
OTHER PERIPHERALS; COMMENTS	A/N kybd for all input							

SPECIFICATION CHART

Small Business Computers — European K-N

SYSTEM IDENTITY	Kienzle 4300			Kienzle 4500		
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	4316; 4332; 4348; 4364 15 (program); 50 (data) 4 ROM (program); core (data) 2K (program); 16-64 (data)			4516; 4532; 4548; 4564 15 (program); 50 (data) 4 ROM (program); core (data) 2K (program); 16-64 (data)		
SOFTWARE Assembler Operating System Compilers	No No No			No No No		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks)	Char/In. / Peak Xfer, cps	Model	Type (trks)	Char/In. / Peak Xfer, cps
	None			None		
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	04	Reader	60	04 93	Reader Punch	60 15-20
PRINTERS	Model	Type	Columns / Peak Speed	Model	Type	Columns / Peak Speed
		Serial Type-lever	123 (176 opt) / 18 cps		Serial Type-lever	123 (176 opt) / 18
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	92.1	Punch	18	None		
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	None			None		
OTHER PERIPHERALS; COMMENTS	—			—		

— Not Applicable

SYSTEM IDENTITY	Kienzle 5000	Kienzle 5600
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	5004; 5008; 5012; 5016	5604; 5608; 5612; 5616
Word Length (bits)	6	6
I/O Channels	Integrated	Integrated
Type of Storage	Core	Core
Capacity (words)	4K; 8K; 12K; 16K (respectively)	4K; 8K; 12K; 16K (respectively)
Cycle Time (μ sec)	4.0	4.0
SOFTWARE		
Assembler	—	—
Operating System	Yes	Yes
Compilers	—	—

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	—	Cassette	—	—	—	Cassette	—	—

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	04	Reader	110	04	Reader	110
	93	Punch (numeric)	15	93	Punch (numeric)	15
	94	Punch (A/N)	30	94	Punch (A/N)	30

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Integrated	Typebar	176	18 cps	Integrated	Block	135	60 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	02	Reader	150	02	Reader	150
	92.1	Punch	50	92.1	Punch	50

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	Modular applications programs; cassette for program input, store dump	Modular applications programs; cassette for program input, store dump

— Not Applicable

SYSTEM IDENTITY	Kienzle 6000E			Kienzle 6000M		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	6016E; 6024E; 6032E			6004M; 6008M		
Word Length (bits)	6			6		
I/O Channels	6 Integrated			Integrated		
Type of Storage	Core			Core		
Capacity (words)	16K; 24K; 32K (respectively)			4K; 8K (respectively)		
Cycle Time (μ sec)	4.0			4.0		
SOFTWARE						
Assembler	Yes			Yes		
Operating System	Yes			Yes		
Compilers	—			No		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	—	Cassette / —	—	None		
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	04 93 94	Reader Punch (numeric) Punch (A/N)	110 15 30	04 93 94	Reader Punch (numeric) Punch (A/N)	110 15 30
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	Integrated	Block / 135	60 cps	Integrated	Block / 135	60 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	02 92.1	Reader Punch	150 50	02 92.1	Reader Punch	150 50
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	Integrated	600 numeric; 400 A/N		Integrated	600 numeric; 400 A/N	
OTHER PERIPHERALS; COMMENTS	Applications modules; cassette for program input, store dump			None		

— Not Applicable

SYSTEM IDENTITY	Kienzle 6000R	Kienzle 6000S
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	6004R; 6008R	6004S; 6008S; 6012S; 6016S
Word Length (bits)	6	6
I/O Channels	Integrated	Integrated
Type of Storage	Core	Core
Capacity (words)	4K; 8K (respectively)	4K; 8K; 12K; 16K (respectively)
Cycle Time (μ sec)	4.0	4.0
SOFTWARE		
Assembler	Yes	Yes
Operating System	Yes	Yes
Compilers	No	—

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				—	Cassette	—	—

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	04	Reader	110	04	Reader	110
	93	Punch (numeric)	15	93	Punch (numeric)	15
	94	Punch (A/N)	30	94	Punch (A/N)	30

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Integrated	Block	135	60 cps	Integrated	Block	135	60 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	02	Reader	150	02	Reader	150
	92.1	Punch	50	92.1	Punch	50

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	Integrated	600 numeric; 400 A/N	Integrated	600 numeric; 400 A/N

OTHER PERIPHERALS; COMMENTS	None	Applications modules; cassette for program input, store dump

— Not Applicable

SYSTEM IDENTITY	Kienzle 6100	LogAbax LX 2200
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	6112; 6116; 6120; 6124; 6128; 6132	LX 2000
Word Length (bits)	6	64
I/O Channels	8-16	2
Type of Storage	Core	ROM(program)MOS/RAM(data)MOS/core(ext)
Capacity (words)	12K; 16K; 20K; 24K; 28K; 32K (respectively)	256 16 + 128/512 (opt)
Cycle Time (μ sec)	2.0	NA
SOFTWARE		
Assembler	Yes	No
Operating System	Basic; disc	I/O Control System in ROM
Compilers	—	None

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	52	8,240,000	208,000	None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	51 51.1	9; 7 1 cass	800 800 bpi	60,000 1,000	LEK	1 csstt	556 bpi	230

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	04.1 94	Reader Punch	110 30	None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Integrated 91.4	Block Matrix	135 144	60 cps 360 cps	Console	Golfball	156	16 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	02 92.2	Reader Punch	150 50		Punch	30

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	Integrated	795 numeric; 530 A/N	None	

OTHER PERIPHERALS; COMMENTS	Applications modules; sort/merge generator; cassette for program entry, store dump; up to 16 periph in any comb, incl 1-6 kybd/printrs	Asynch data comm control: 110 to 1,200 bps; can send data to LX 4200 via cassette tape or data comm line and receive results for printing

— Not Applicable

SYSTEM IDENTITY	LogAbax LX 2600	LogAbax LX 4100
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	LX 2000	LX 4000
Word Length (bits)	64	8
I/O Channels	2	2
Type of Storage	ROM (prog) MOS/RAM (data) MOS/core (ext)	Core
Capacity (words)	256 16 + 128/512 (opt)	4K-16K
Cycle Time (μ sec)	NA	1.2
SOFTWARE		
Assembler	No	Yes
Operating System	I/O control system in ROM	KMS (MT cassette oriented)
Compilers	None	LOGOL

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	LEK	1 csste	556 bpi	230	LEK	1 (csst)	556 bpi	230

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	LX 180	Matrix	158	180 cps	LX 180	Matrix	158	180 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
		Punch	30	None		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		LECM 128	192 A/N or 384 numeric

OTHER PERIPHERALS; COMMENTS	Asynch data comm controller: 110 to 1,200 bps; can send data to LX 4200 for further processing via cassette tape or data comm line and receive results for printing	Programs held on MT cassettes

NA Not Available

SYSTEM IDENTITY	LogAbax LX 4200			Marme GMG 5000		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	LX 4000			General Automation SPC 16/45		
Word Length (bits)	8			16		
I/O Channels	2			8 DMA + programmed I/O		
Type of Storage	Core			Core		
Capacity (words)	4K-16K			8,192 to 65,536		
Cycle Time (μ sec)	1.2			1.44		
SOFTWARE						
Assembler	Yes			CAP-16, CAP-16M		
Operating System	DMS (disc) or KMS (MT cassette)			DBOS-16, RTOS-16		
Compilers	LOGOL			Basic; Fortran IV; Extended Fortran IV; Cobol in preparation		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
		1,400,000	100,000	5000-111	6,400,000	156,000
	Up to 4 exch disc drives can be connected; max on-line cap 5, 6M bytes			5000-114	25,600,000	312,000
				5000-303	2,500,000	198,000
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	LEK	1 (csste)	556 bpi	230	GA 3331	9	800	20,000
					GA 3332	9	800	30,000
					GA 3333	9	800	60,000
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	4224	Punch		40 col/sec	GA 3315	Reader (80 col)		300
	4226	Reader		400 cpm	GA 3316	Reader (80 col)		400
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	LX 180	Matrix	158	180 cps	LX 180 RO	Serial	132	180 cps
					Tally 200	Line	132	200 lpm
					5000-600	Line	132	600 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	4221	Reader		200	3321	Reader (8-track)		400
	4222	Punch		30	3322	Punch (8-track)		75
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	LECM 128	192 A/N or 384 numeric			None			
OTHER PERIPHERALS; COMMENTS	Programs held on disc or MT cassette; asynch data comm controller; 110-1,200 bps for connection of remote LX2200 or LX2600 sat sys; data can also be exch with LX2000 series via MT cassettes				Up to 16 on-line terminals: TTY 33, 10 cps; TTY 35 or SAGEM TEM 8, 15 cps; ADDS 880 CRT display, 1,024-char screen; ADDS 880 CRT display, 1,920-char screen			

SYSTEM IDENTITY	MBM Computers MBM 7000	Melcom System (UK) MCS 1600
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	DEC PDP-11/05 or 11/35	MCS 1600 (Digico Micro 16V)
Word Length (bits)	16	16
I/O Channels	1 DMA + UNIBUS	64, includes up to 8 DMA
Type of Storage	Core	Core
Capacity (words)	8,192 to 28,672 (11/05); 126,976 (11/35)	8,192 to 65,536
Cycle Time (μ sec)	0.9	0.95
SOFTWARE		
Assembler	PAL-11R, MACRO-11	Yes
Operating System	DOS	Multi-Slot Executive; Disc Op System
Compilers	ANSI Fortran IV; Basic-Plus; Cobol in preparation	Fortran 2; RPG 2

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	CDS 110 DRI 30/1 DRI 40/0	180,224 2,457,600 4,915,200	4,250 195,000 312,000	1651 1652 Up to 8 fixed/exch drives/controller Max on-line cap 94.4M bytes	2,947,200 5,894,400	312,500 312,500

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				Pertec	9	800	30,000

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	Any reader or punch specified by user interfaced in 3 months				Reader (80-col)	400

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Transtel LX 180 RO Tally 200	Serial Serial Line	74 132/158 132	15 cps 180 cps 200 lpm	1620 1621 1622 1623 1624 1641	Serial Serial Line Line Line Serial	132 132 132 132 132 132	165 cps 330 cps 200 lpm 300 lpm 400 lpm 30–50 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	Any Any Specified by user interfaced in 3 mos	Reader Punch		1619 1629	Reader Punch	500 120

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	1 to 32 on-line terminals: Beehive "SuperBee" 25/80 CRT display, 2,000-char screen, running in echoplex, char or message mode, 110-9,600 bps	Up to 40 local and/or remote workstations in any combination: 1631 CRT display, 960-char screen; 1632 display, 1,998-char screen, 1641 kybd/printr, 30-50 cps

SYSTEM IDENTITY	NCR Century 75			Nixdorf 820/15		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	615-101			205		
Word Length (bits)	8			18 (program); 64 (data)		
I/O Channels	2-4, including 1 multiplexer			2		
Type of Storage	Core			ROS (program); core (data)		
Capacity (words)	16K-64K			6K; 16-512 (respectively)		
Cycle Time (μsec)	1.2/2 bytes			5.0 (12 bits)		
SOFTWARE						
Assembler	Yes			Yes		
Operating System	Yes			In ROS		
Compilers	Basic; Cobol; Fortran IV; Neat/3			KEYBOL		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	656-101 657-101	4.9M 29.8M	312.5K 300K	None		
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	633 633-117 633-119	Reel (9) Reel (7) Reel (9)	800/ 1,600 200/ 556/800 800	40K/80K 10K/28K/ 40K 40K	6231	Cassette	556 bpi	120 read; 40 write
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	682-100 686-102 686-201 680-201 686-111	Reader Reader/punch Reader Reader Reader/punch		300 800/83-29 750 1,200 560/60-180	4130 4180 4181	Reader Punch Printing punch		60 37.5 37.5
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	649-200 649-300 640-102 649-150	Line Line Line Line	132 132 132 132	200 lpm 300 lpm 450 lpm 150 lpm	Console	Golfball	132	15.8 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	662-100 660-101 665-101	Reader Reader Punch		1,000 1,500 200	4235 4290	Reader Punch		140 20
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				714	512 A/N; 1K digits		
OTHER PERIPHERALS; COMMENTS					Model 714 has front feed			

SYSTEM IDENTITY	Nixdorf 820/25	Nixdorf 820/35
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	207; 208	540
Word Length (bits)	18 (program); 64 (data)	18 (program); 64 (data)
I/O Channels	3	5
Type of Storage	ROS (program); core (data or program)	ROS, core (program); core (data)
Capacity (words)	12K (program); 16-512 (data)	20-22K (program); 512-1K (data)
Cycle Time (μ sec)	5.0 (12 bits)	5.0 (12 bits)
SOFTWARE		
Assembler	Yes	Yes
Operating System	In ROS	In ROS
Compilers	KEYBOL	KEYBOL

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	None		

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	6231	Cassette	556 bpi	120 read; 40 write

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	6231	Cassette	556 bpi	120 read; 40 write

CARDS	Model	Type	Peak Speed, cpm
	4130	Reader	60
	4180	Punch	37.5
	IBM 026	Reader/punch	20 cps
	4181	Printing punch	37.5 cps

CARDS	Model	Type	Peak Speed, cpm
	4130	Reader	60
	4180	Punch	37.5
	IBM 026	Reader/punch	20 cps
	4181	Printing punch	37.5 cps

PRINTERS	Model	Type	Columns	Peak Speed
	Console	Golfball	132	15.8 cps
	5220	Golfball	132	15.8 cps
	5310	Matrix	131	165 cps
	5311	Matrix	131	330 cps

PRINTERS	Model	Type	Columns	Peak Speed
	Console	Golfball	132	15.8 cps
	5220	Golfball	132	15.8 cps
	5310	Matrix	131	165 cps
	5311	Matrix	131	330 cps

PAPER TAPE	Model	Type	Peak Speed, cps
	4235	Reader	140
	4290	Punch	20

PAPER TAPE	Model	Type	Peak Speed, cps
	4235	Reader	140
	4290	Punch	20

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	715	512 A/N or 1K digits

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	715	512 A/N or 1K digits

OTHER PERIPHERALS; COMMENTS	715 has dual front feed, requires 512 core and Model 208 processor	None

SYSTEM IDENTITY	Nixdorf 840/15				Nixdorf 840/25			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	— 18 (program); 64 (data) ROS (program); core (data) 16-512 5.0 (12 bits)				— 18 (program); 64 data ROS (program); core (data and/or program) 12K; 16-1K (data); 8K-20K (program) 5.0 (12 bits)			
SOFTWARE Assembler Operating System Compilers	Yes In ROS KEYBOL (requires 840/35 for compilation)				Yes In ROS KEYBOL (requires 840/35 for compilation)			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				None			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	6110 6231 6230	7/9 Cassette Cassette	200;556; 800/800 556 bpi 556 bpi	8.0K 136 read; 40 write 400	6110 6231 6230	7/9 Cassette Cassette	200; 556; 800/800 556 bpi 556 bpi	8.0K 136 read; 40 write 400
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	4130 4180 4181	Reader Punch Printing punch		60 37.5 37.5	4130 4180 4181	Reader Punch Printing punch		60 37.5 37.5
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console Console	Golfball Matrix	131 184	15 cps 50 cps	Console Console 5130 5440 5131	Golfball Matrix Serial Line Serial	131 184 131 136 131	15 cps 50 cps 165 cps 300 lpm 330 cps
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	4235 4290	Reader Punch		140 15	4235 4290	Reader Punch		140 15
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	—	512 A/N or 1,024 digits			—	512 A/N or 1,024 digits		
OTHER PERIPHERALS; COMMENTS	Data comm channel interfaces to 1,200-4,800 bps modem or 880/85 system; 256- or 960-char A/N display; OCR-A and OMR				Data comm channel interfaces to 1,200-4,800 bps modem or 880/85 system; 256- or 960-char A/N display; OCR-A and OMR			

— Not Applicable

SYSTEM IDENTITY	Nixdorf 840/35	Nixdorf 880/45
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	—	—
Word Length (bits)	18 (program); 64 (data)	12
I/O Channels	6	5
Type of Storage	ROS core (program); core (data)	Core; ROS
Capacity (words)	20-28K (program); 512-1K (data)	8K/8K
Cycle Time (μ sec)	5.0 (12 bits)	2.0
SOFTWARE		
Assembler	Yes	No
Operating System	In ROS	In ROS
Compilers	KEYBOL	No

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			7121 7120	7.25M 2.9M	156,000 156,000

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	6110	7/9	200;556; 800/800	8.0K	6231	Cassette	556 bpi	136 read; 40 write
	6231	Cassette	556 bpi	136 read; 40 write	6230	Cassette	556 bpi	400
	6230	Cassette	556 bpi	400				

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	4130	Reader	60	4130	Reader	60
	4180	Punch	37.5	4180	Punch	37.5
	4181	Printing punch	37.5	4181	Printing punch	37.5

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console	Golfball	131	15 cps	Console	Golfball	131	15
	Console	Matrix	184	50 cps	20817	Serial	131	165
	5130	Serial	131	165 cps				
	5440	Line	136	300 lpm				
	5131	Serial	131	330 cps				

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	4235	Reader	140	20035	Reader	140
	4290	Punch	18	20090	Punch	18

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	—	512 A/N or 1,024 digits	—	512 A/N or 1,024 digits

OTHER PERIPHERALS; COMMENTS	Data comm channel interfaces to 1,000-4,800 bps modem or 880/85 System; 256- or 960-char A/N display; OCR-A and OMR doc reader	Available only with standard applications packages

— Not Applicable

SYSTEM IDENTITY	Nixdorf 880/55			Nixdorf 880/65		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	—			—		
Word Length (bits)	12			8		
I/O Channels	5			—		
Type of Storage	Core			Core		
Capacity (words)	8K-16K			8-64K		
Cycle Time (μ sec)	2.0			1.8		
SOFTWARE						
Assembler	Macro Assembler			Macro Assembler		
Operating System	OCS			OS-A		
Compilers	KEYBOL			Cobol; RPG		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	7121	7.25M	156,000	7121	7.25M	156,000
	7120	2.9M	156,000	7120	2.9M	156,000
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	6110	7/9 200;556; 800/800	8.0K	6110	7/9 200;556; 800/800	8.0K
	6231	Cassette 556 bpi	136 read; 40 write	6230	Cassette 556 bpi	400
	6230	Cassette 556 bpi	400	6111	9 800;1,600	30K; 60K
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	4130	Reader	60	4235	Reader	60
	4180	Punch	37.5	4290	Punch	37.5
	4181	Printing punch	37.5	4291	Printing punch	37.5
				4132	Reader	500
				4133	Reader	1,000
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	Console	Golfball 131	15	Console	Matrix 184	50 cps
	20817	Serial 131	165	5440	Line 136	300 lpm
				5441	Line 136	600 lpm
				5310	Serial 131	165 cps
				5311	Serial 131	330 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	20035	Reader	140	4235	Reader	140
	20090	Punch	18	4290	Punch	18
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	—	512 A/N or 1,024 digits		None		
OTHER PERIPHERALS; COMMENTS	None			Comm control for up to 30, 820, or 840 terminals		

— Not Applicable

SYSTEM IDENTITY	Nixdorf 880/85							
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 — 12 — Core 8K 2.0							
SOFTWARE Assembler Operating System Compilers	1 OCS macro Disc IOCS —							
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	20621 20622	7.25M 2.9M		156,000 156,000				
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	6110 6231 6230	7/9 Cassette Cassette	200;556; 800/800 556 bpi 556 bpi	8.0K 136 read; 40 write 400				
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None							
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	None							
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None							
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None							
OTHER PERIPHERALS; COMMENTS	Comm control unit for up to 3,840 terminals							

— Not Applicable

SPECIFICATION CHART

Small Business Computers — European O-Z

SYSTEM IDENTITY	Olivetti Auditronic 730	Olivetti Auditronic 770
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	A730	A770
Word Length (bits)	64	4
I/O Channels	—	—
Type of Storage	Core; mag tape loop	Delay line; mag tape loop
Capacity (words)	30; 1,280 (respectively)	841; 57,750 (respectively)
Cycle Time (μ sec)	—	—
SOFTWARE		
Assembler	—	—
Operating System	—	—
Compilers	—	—

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				None			

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console	Serial	260	15	Console	Serial	260	15

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	Console	Punch	15	A771 A771/1 A774 A774/1	Reader Reader Punch Punch	50 50 50 50

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		A777	300

OTHER PERIPHERALS; COMMENTS	None	A771/1 and A774/1 handle edge-punch cards; A779 communications control; 778 supplementary memory

— Not Applicable

SYSTEM IDENTITY	Olivetti P602	Olivetti P603
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	602	603
Word Length (bits)	128	128
I/O Channels	2	2
Type of Storage		
Capacity (words)	16	16
Cycle Time (μ sec)		
SOFTWARE		
Assembler	No	No
Operating System	No	No
Compilers	No	No

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			None		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	MLU 600	Cassette loop (7 trk)		256	MLU 600	Cassette loop (7 trk)		256

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None			None		

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
		Numeric	28	30 cps		Numeric	28	30 cps
					Editor-4	Serial A/N	132 upwards	14 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	LN 20 PN 20	Reader Punch	20 24	LN 20 PN 20	Reader Punch	20 24

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
		512 x 4-bit magnetic program cards		512 x 4-bit

OTHER PERIPHERALS; COMMENTS	X-Y plotters, data logging, etc.	—

— Not Applicable

SYSTEM IDENTITY	Olivetti P 652			Olympia KC 7000			
CENTRAL PROCESSOR & WORKING STORAGE							
CPU Model No.	P 652			KC 7000			
Word Length (bits)	64			18 (program); 64 (data)			
I/O Channels	2			2			
Type of Storage				ROM (program); MOS (data)			
Capacity (words)	256			100-800 (program); 32 (data)			
Cycle Time (μ sec)							
SOFTWARE							
Assembler	No			Yes			
Operating System	No			No			
Compilers	None			No			
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps	
	None			None			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	CTU 1000 MLU 600	1 7 (individually addressable)	800 bpi	1,000 256	None			
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm	
	None			None			
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Editor 4ST	Typewriter	132+	14 cps		Serial Golfball	131	15.5 cps
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps	
	LN 20 PN 20	Reader (8-trk) Punch (8-trk)	20 24	None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe		
	P 652 mainframe mag prgrm crds	720 (4-bit digits) or 60 registers (64 bits)		None			
OTHER PERIPHERALS; COMMENTS	MCR 50 OMR card reader, 20 cols/sec Plotter X-Y 600: 6 points/sec			A/N keyboard for all input			

SYSTEM IDENTITY	Philips P 351				Philips P 352			
CENTRAL PROCESSOR & WORKING STORAGE								
CPU Model No.	—				—			
Word Length (bits)	64				64			
I/O Channels	None				None			
Type of Storage	Core				Core			
Capacity (words)	200				400-1,000 main + 1,000-4,000 external			
Cycle Time (μ sec)	3.0				3.0			
SOFTWARE								
Assembler	PAL				PAL			
Operating System	—				—			
Compilers	—				SOL			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				P 140 P 141	256K 256K		44K 44K
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				P 145	Cassette	—	750
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	Integrated	Reader		72	Integrated	Reader		72
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Integrated	Console	164	22.5 cps	Integrated P 150	Console Serial	164 128	22.5 cps 50-140 lpm
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	None				P 120 P 125	Punch Reader		50 50
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	None				None			
OTHER PERIPHERALS; COMMENTS	Integrated card reader for reading in programs				Integrated card reader for reading in programs			

— Not Applicable

SYSTEM IDENTITY	Philips P 353			Philips P 354		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	—			—		
Word Length (bits)	64			64		
I/O Channels	None			4		
Type of Storage	Core			Core		
Capacity (words)	400-1,000 main + 1,000-4,000 external			400-1,000 main + 1,000-4,000 external		
Cycle Time (μ sec)	3.0			3.0		
SOFTWARE						
Assembler	PAL			PAL		
Operating System	—			—		
Compilers	SOL			SOL		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	P 140	256K	44K	P 140	256K	44K
	P 141	256K	44K	P 141	256K	44K
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	P 145	Cassette / —	750	P 145	Cassette / —	750
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	Integrated	Reader	72	Integrated	Reader	72
				P 110	Punch	50
				P 115	Reader	270
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	Integrated	Console / 164	22.5 cps	Integrated	Console / 164	22.5 cps
	P 150	Serial / 128	50-140 lpm	P 150	Serial / 128	50-140 lpm
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	P 120	Punch	50	P 120	Punch	50
	P 125	Reader	50	P 125	Reader	50
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	Integrated	256 digits		—	336 digits	
OTHER PERIPHERALS; COMMENTS	Opt communications line adapter; integrated card reader for reading in programs			Communications line adapter; integrated card reader for reading in programs		

— Not Applicable

SYSTEM IDENTITY	Philips P 355	Philips P 356
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	—	—
Word Length (bits)	64	64
I/O Channels	None	4
Type of Storage	Core	Core
Capacity (words)	400–1,000 main + 1,000–4,000 external	400–1,000 main + 1,000–4,000 external
Cycle Time (μ sec)	3.0	3.0
SOFTWARE		
Assembler	PAL	PAL
Operating System	—	—
Compilers	SOL	SOL

DISC	Model	Capacity, char/pack	Peak Xfer, cps
	P 140	256,000	
	P 141	256,000	
	P 140 comprises controller, which can control up to 5 P 141; max cap: 1.5M bytes		

	Model	Capacity, char/pack	Peak Xfer, cps
	P 140	256K	44K
	P 141	256K	44K

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps
	P 145	1		

	Model	Type (trks)	Char/In.	Peak Xfer, cps
	P 145	Cassette	—	750

CARDS	Model	Type	Peak Speed, cpm
	Integrated	Reader	72
	P 110	Punch	50
	P 115	Reader	270

	Model	Type	Peak Speed, cpm
	Integrated	Reader	72
	P 110	Punch	50
	P 115	Reader	270

PRINTERS	Model	Type	Columns	Peak Speed
	Console	Typwrtr	164	22.5 cps
	P 150	Matrix	128	50–140 lpm

	Model	Type	Columns	Peak Speed
	Integrated	Console	256	22.5 cps
	P 150	Serial	128	50–140 lpm

PAPER TAPE	Model	Type	Peak Speed, cps
	P 120	Punch	50
	P 125	Reader	50

	Model	Type	Peak Speed, cps
	P 120	Punch	50
	P 125	Reader	50

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe
	Console	1,344 numeric digits
	P 130	1,344 numeric digits
	Automatic reader	80 cpm

	Model	Capacity, char/stripe
	None	

OTHER PERIPHERALS; COMMENTS	Communications line adapter. Integrated card reader for programs	Communications line adapter; integrated card reader for reading in programs

— Not Applicable

SYSTEM IDENTITY	Philips P 358			Philips P 359		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	—			—		
Word Length (bits)	64			64		
I/O Channels	4			4		
Type of Storage	Core			Core		
Capacity (words)	400-1,000 + 1,000-4,000 external			600-1,000 main + 1,000-4,000 external		
Cycle Time (μ sec)	3.0			3.0		
SOFTWARE						
Assembler	PAL			PAL		
Operating System	—			—		
Compilers	SOL			SOL		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	P 140	256K	—	P 140	256K	—
	P 141	256K	—	P 141	256K	—
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	P 145	Cassette	—	—	P 145	Cassette	—	—
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	Integrated	Reader	72	Integrated	Reader	72
	P 110	Punch	50	P 110	Punch	50
	P 115	Reader	270	P 115	Reader	270
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Integrated	Console	256	22.5	Integrated	Console	256	22.5
	P 150	Serial	128	50-140 lpm	P 150	Serial	128	50-140 lpm
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	P 120	Punch	50	P 120	Punch	50
	P 125	Reader	50	P 125	Reader	50
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	—	336 or 672 digits		—	1344 digits	
	P 130	336 or 672 digits, automatic reader; 80 cpm		P 130	1344 digits, automatic reader; 80 cpm	
OTHER PERIPHERALS; COMMENTS	Communications line adapter; integrated card reader for reading in programs			Communications line adapter; integrated card reader for reading in programs		

— Not Applicable

SYSTEM IDENTITY	Siemens 404/3	Siemens System 4004/220
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	03	4004/220
Word Length (bits)	16	8/byte
I/O Channels	1 DMA; 1 multiplexor	1 byte-mx (4-5 trks); 1 blk-mx (1 trk)
Type of Storage	4K-32K	MOS/LSI
Capacity (words)	1.6	32K-160K
Cycle Time (μ sec)		0.72/4-byte access
SOFTWARE		
Assembler	Yes	Yes
Operating System	Loader; Basic Operating System	BS 1000
Compilers	—	Algol; Cobol; Fortran; PL/1; RPG; RPG 2

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	43521	2,993,000	156,000	GPL 580	100,020,000	806,000
	43522	2,003,000	156,000	GPL 4580	54,820,000	312,000
				Up to 8 GPL	580 or 16 GPL 4580 drives	

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				4420-30	9	1,600	30,000
					4420-60	9	1,600	60,000
					453-2	9	1,600	120,000
					450	9	1,600	240,000
					4446-2	7/9	800	120,000

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	43241	Reader	1,000	4235	Reader	600
	43242	Reader	666	4238	Punch	105-290
	43245	Punch	103-293	4239	Reader	1,000
				236	Punch	300
				237	Reader	1,450

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	43210	Console	69	13.3 cps	4241	Train	136	960 lpm
	43213	Line	120	300-1,600 lpm	4242	Train	160	960 lpm
					4245	Drum	120	300-960 lpm
	43238	Serial	120	22 cps	4247	Drum	132	600-750 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	2123	Punch	30	4223	Reader	1,200
	4228	Punch	150	4225	Punch	100
	4229	Reader	1,200	4228	Punch	150
	43224	Reader	120	4229	Reader	1,500
				4280	Edge-Pch Cd Rdr	120

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	None		None	

OTHER PERIPHERALS; COMMENTS	Many std applications programs	627, 4627 Data Exchange Control; 656 sgle-chnl data comm 1,200-19,200 bps; 4666 multichnl datacomm 30 lines 50ato 19,200 bps; virtual memory paging hardware; IBM S/370 sce lge compatible

– Not Applicable

SYSTEM IDENTITY	Singer 5800	Synelec SYN 9
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	Data	GRI-99/40
Word Length (bits)	64	16
I/O Channels	14 devices	1 DMA + 64 interfaces on I/O bus
Type of Storage	Core	Core
Capacity (words)	26K-90K	8,192 to 32,768
Cycle Time (μ sec)	—	1.76
SOFTWARE		
Assembler	Yes	Yes
Operating System	No	GESTRAN 9
Compilers	Standard applications packages	None

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	None			SYN 9200	2,457,600	195,250

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None				SYN 9300 SYN 9302	9 9	800/1,600 1,600	20,000 20,000

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	None				Reader (80-col)	200

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	5817	Serial	—	25 cps	LX 180 RO	Serial Line	132/158 132	180 cps 250 lpm
					IBM 735 TTY 33 KSR	Typwrt Typwrt		15 cps 10 cps

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	5815 5822 5824	Punch Reader Punch	20 20 20		Reader Punch	300 50

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
	5819	224		None

OTHER PERIPHERALS; COMMENTS	5815 and 5822 also handle edge punch cards	1 to 16 on-line CRT display terminals: SYN 215 (Infoton Vistar) 1,920-char screen, echoplex character mode, CPU program-controlled scrolling or paging

— Not Applicable

SYSTEM IDENTITY	Terminal Display Systems (TDS) System 4007	Triumph-Adler TA 100/2
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	Data General Nova 2/10 or 840	—
Word Length (bits)	16	52
I/O Channels	1 HS + 1 DMA + Programmed I/O	3 input; 3 output
Type of Storage	Core	Core
Capacity (words)	8,192 to 32,768/32,768 to 131,072	16; 32; 50; 100
Cycle Time (μ sec)	1.20/0.8	—
SOFTWARE		
Assembler	Standard, relocatable, and macro	—
Operating System	RDOS	—
Compilers	Algol 60; Basic; Fortran IV; Fortran 5	—

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	4047A	2,457,600	195,250	None		
	4057B	24,572,000	312,000			

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
		9	800	10,000	—	Cassette		
	4030J	9	800	36,000				
		9	800	60,000				
	4030J	9	1,600	72,000				
	4030I	7	556/800	25/36,000				

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	4016D	Reader (80 col)	300	—	Reader	—
	4016F	Reader (80 col)	600	—	Punch	20
	4016G	Reader (80 col)	1,000			

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Centronics	Serial	132	165/330 cps	Console	Typebar	127	20
	Data	Line	80/132	356/245 lpm	Console	Typebar	181	20
	Product				Console	Typebar	245	20

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	Lynwood	Reader	500	—	Punch	20

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
		None	None	

OTHER PERIPHERALS; COMMENTS	1 to 32 local and/or remote ADDS Consul 880 CRT display terminals; 1,024 or 1,920-char screens, or 640 to 1,280-char MRCD colour video terminals	Program ROS boards delivered by mfr; edge-punch card reader and punch

— Not Applicable

SYSTEM IDENTITY	Triumph-Adler TA 100/3				Triumph-Adler TA 1000 Model 20			
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 — 52 4 input; 3 output Core 16; 32; 50; 100 —				 TA 1000 8 3-5 MOS-ROM/Core 256-16K/2K-48K 0.45-0.7/1.2			
SOFTWARE Assembler Operating System Compilers	 — — —				 Yes No No			
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None				In course of development			
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None					Cassette (1-trk)	800-bpi	750
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	— —	Reader Punch		— 20		Reader		100
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console Console Console	Typebar Typebar Typebar	127 181 245	20 20 20		Type-lever Serial Matrix	127 or 171 132	10-16 cps 140
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	—	Punch		20	None			
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	—	64			None			
OTHER PERIPHERALS; COMMENTS	Program ROS boards delivered by mfr; edge-punch card reader and punch				A/N CRT display console; 1,056 chars; up to 20 TV monitors of console display; opt data communications controller for 600-4,800 bps telephone line			

— Not Applicable

SYSTEM IDENTITY	Triumph-Adler TA 1000 Model 30	Unidata 7.720
CENTRAL PROCESSOR & WORKING STORAGE		
CPU Model No.	TA 1000	7.720
Word Length (bits)	8	8/byte
I/O Channels	4-6	3-12: any comb int. ad, byte-mx, selector
Type of Storage	MOS-ROM/Core	MOS/LSI
Capacity (words)	256-16K/2K-48K	48K-160K
Cycle Time (μ sec)	0.45-0.7/1.2	0.72/4-byte access
SOFTWARE		
Assembler	Yes	S/4004 Ass std; CII Iris, P1000 opt
Operating System	No	BS 1000 std; CII SIRIS, P1000 opt
Compilers	No	Algol; Cobol; Fortran; PL/1; RPG; RPG 2

DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	In course of development			3440	54, 820, 000	312, 000
				Up to 8 drives/int disc adapter; up to 2 disc ad; max on-line cap: 876.8M bytes		

MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	Cassette (1-trk)		800-bpi	750	3570	9	1, 600	30, 000
					3571	9	1, 600	60, 000
					Also any Siemens, CII, and Philips models			

CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	Reader		100	3100	Reader	300
				3101	Reader	600
				3110	Reader	1, 000
				3160	Punch	100-290

PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Type-lever	127 or 171	10-16 cps		3320	Matrix	132	200 lpm
	Serial	132	140		3330	Drum	132	480-600 lpm
	Matrix				3331	Drum	132	720-900 lpm
					3340	Train	132	920-1100 lpm

PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	None			Any Siemens, CII, or Philips models		

MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe	Model	Capacity, char/stripe
		Specifications not finalized	None	

OTHER PERIPHERALS; COMMENTS	A/N CRT display console; 1,056 chars; up to 20 TV monitors of console display; opt data communications controller for 600-4,800 bps telephone line	3630 datacomm ctrl: 30 lines 50-19,200 bps. Virtual memory paging hardware. Mach code compat. Siemens S/4004. Opt emulators. CII Iris 45-60, Philips P1000. IBM S/370 source lang compatible

SYSTEM IDENTITY	Wagner Computer WAC 40			Wagner Computer WAC 400		
CENTRAL PROCESSOR & WORKING STORAGE						
CPU Model No.	—			—		
Word Length (bits)	8			8		
I/O Channels	—			—		
Type of Storage	Core			Core		
Capacity (words)	4K-32K			4K-64K		
Cycle Time (μ sec)	2.0			2.0		
SOFTWARE						
Assembler	Yes			Yes		
Operating System	Yes			Basic (BBS); disc (PBS)		
Compilers	—			RPG 70		
DISC	Model	Capacity, char/pack	Peak Xfer, cps	Model	Capacity, char/pack	Peak Xfer, cps
	—	3M	195,000	—	3M	195,000
	—	3M (+ 3M fixed)	195,000	—	3M (+ 3M fixed)	195,000
	—	6M (see Comments)	195,000	—	6M	195,000
MAGNETIC TAPE	Model	Type (trks) / Char/In.	Peak Xfer, cps	Model	Type (trks) / Char/In.	Peak Xfer, cps
	—	Cassette / 800-bps	300	—	Cassette / 800 bpi	300
				—	9-track / 800 bpi	30K
CARDS	Model	Type	Peak Speed, cpm	Model	Type	Peak Speed, cpm
	—	Reader	200	—	Reader	200
	—	Punch	400 cps	—	Punch	40 cps
	—	Punch	20 cps	—	Punch	20 cps
PRINTERS	Model	Type / Columns	Peak Speed	Model	Type / Columns	Peak Speed
	—	Golfball / 128	15 cps	—	Golfball / 128	15 cps
	—	Helical / 132	30 cps	—	Helical / 132	30 cps
	—	Matrix / 136	165 cps	—	Matrix / 136	165 cps
				—	Drum / 132	300 lpm
PAPER TAPE	Model	Type	Peak Speed, cps	Model	Type	Peak Speed, cps
	—	Reader	200	—	Reader	200
	—	Punch	70	—	Punch	70
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe		Model	Capacity, char/stripe	
	—	256-1,024		None		
OTHER PERIPHERALS; COMMENTS	Additional disc unit available with 2 (6M exchangeable plus 6M fixed) discs			None		

— Not Applicable

SYSTEM IDENTITY	Wagner Computer WACTRONIC							
CENTRAL PROCESSOR & WORKING STORAGE CPU Model No. Word Length (bits) I/O Channels Type of Storage Capacity (words) Cycle Time (μ sec)	 — 48 1 C; ROS 12-48; 1K-8K (respectively) 40.0							
SOFTWARE Assembler Operating System Compilers	 Yes — —							
DISC	Model	Capacity, char/pack		Peak Xfer, cps	Model	Capacity, char/pack		Peak Xfer, cps
	None							
MAGNETIC TAPE	Model	Type (trks)	Char/In.	Peak Xfer, cps	Model	Type (trks)	Char/In.	Peak Xfer, cps
	None							
CARDS	Model	Type		Peak Speed, cpm	Model	Type		Peak Speed, cpm
	None							
PRINTERS	Model	Type	Columns	Peak Speed	Model	Type	Columns	Peak Speed
	Console	Typebar	120-270	12/16 cps				
PAPER TAPE	Model	Type		Peak Speed, cps	Model	Type		Peak Speed, cps
	—	Punch		20				
MAGNETIC STRIPE LEDGER CARDS	Model	Capacity, char/stripe			Model	Capacity, char/stripe		
	—	48						
OTHER PERIPHERALS; COMMENTS								

— Not Applicable

ADS *(See Anker Daten Systeme)*

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ICL *(See Internat'l Computers Ltd)*

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