LA324 MultiPrinter

Digital's Most Versatile Desktop Printer for the Workplace

digital

From the Desktop to the Factory Floor

Digital's new LA324 MultiPrinter is a high-resolution, wide-carriage, receive-only, impact, dot matrix printer with great versatility. It is well suited for various environments from the factory floor to the desktop to the data center. It incorporates a 24-wire printhead and the latest paper-handling technologies for today's demanding office and data processing needs.

The LA324 MultiPrinter is compatible with all of Digital's computer products. It is the successor to Digital's popular LA120 DECwriter III pedestal-based printer and an alternative to the LA210 Letterprinter for the desktop. It is also designed for the IBM® personal computer environment with its built-in IBM Proprinter™ XL24 emulation mode and parallel interface. The LA324 MultiPrinter printer's superior paper and forms handling capabilities make it ideal for a variety of applications. For users who need spreadsheet and simple color output, the LA324 MultiPrinter offers a wide carriage and eight-color printing capability.

The rugged modular design of the LA324 MultiPrinter makes it very reliable for high-volume printing in areas such as online transaction processing, engineering and science, financial services, insurance, and banking.

Highlights

- 300 character per second (cps) draft printing speed (burst); 100 cps letter-quality printing speed (burst)

- 24-wire printhead produces superior text and graphics print quality

- Compatibility with Digital and IBM Proprinter applications through Digital and IBM protocols

- Plug-in font cartridges for varying type styles

- Built-in Bar Code 39 printing capability

- Wide carriage enables printing 17-inch (43.2 centimeter) wide paper

- Equipped with built-in serial (DEC423) and parallel (Centronics™) interfaces

- Handles up to six-part forms as well as envelopes and labels

- Prints in black or color ink using snap-in ribbon cartridges

- Superior paper handling such as document on demand, autoload, autopark, and optional three-bin automatic sheet feeder

- Automatic switching of universal power supply from 120V, 220V, or 240V

- Pedestal or desk mounting for versatility and mobility in shared printing environments

- Easy to order and configure through the DECdirect ordering process. Simply call 1-800-343-4040 with questions, or call 1-800-DIGITAL to order. You can also order through Digital's Electronic Store, or through Digital's Authorized Distributors.

Compatible with a Variety of Systems

The versatile LA324 MultiPrinter dot matrix printer is compatible with Digital's personal computers and workstations, as well as with many of Digital's VAX or PDP-11 systems. In addition to the standard serial interface, a parallel interface is built into the LA324 printer. This enables you to connect the LA324 MultiPrinter to a wide variety of IBM or IBM-compatible hosts such as PCs and servers. Digital's LA324 printer supports an extensive range of personal computer software when it is operating in IBM Proprinter XL24 mode.

Print Modes — Select the Speed, Features, and Colors You Need

The LA324 MultiPrinter offers a choice of print modes to help you work at the speed you need. In draft mode, it operates at 300 cps (burst speed), delivering output using a 9 by 24 dot matrix (standard cell). In letter-quality mode, the LA324 MultiPrinter prints at 100 cps using a 30 by 24 matrix and producing high-resolution print.

In addition to the varying print speeds you can select, the LA324 printer has several features that add to its versatility. Quiet printing, activated via a front panel switch, causes the printer to operate at less than 51 decibels. The LA324 MultiPrinter also prints underlines, bold characters, double width characters, and bar codes. This intelligent printer also produces graphics and text in eight different colors from a snap-in color ribbon cartridge. Print speeds vary depending on the attributes in use.

Superior Paper Handling for a Variety of Needs

The versatile LA324 MultiPrinter has flexible paper handling capabilities. Its wide carriage prints single cut sheets, tractor-fed sheets and multipart forms, as well as envelopes and labels. Other paper handling features include document on demand, autoload, autopark, and an optional three-bin automatic sheet feeder — all offered to meet the varied requirements of shared printing environments.

With document on demand, you can tear off a printed multipart form without waste or damage to the succeeding form. The park feature enables you to print on single sheets without removing the tractor-fed paper. The LA324 MultiPrinter simply "parks" the continuous-fed paper, prints the single sheets, and then repositions itself at the touch of a button. In offices where printers are shared by many users, the optional Automatic Sheetfeeder is ideal. It can handle letters, second sheets, and envelopes, making it a desirable option for word processing applications. No longer is it a complicated procedure to change from one paper type to another.

User-Installable Accessories and Supplies

The LA324 MultiPrinter was designed to mount securely onto a customized pedestal. With the printer's built-in, rear tractor system, the optional pedestal assures reliable paper feeding from a standard box of tractor-fed paper or multipart forms.

You can also mount the lightweight LA324 MultiPrinter printer on a desktop. The desktop stand accommodates up to 100 six-part carbon forms. The three-bin automatic sheet feeder is ideal for word processing applications where you need to print letters and envelopes.

Using optional font cartridges, the LA324 MultiPrinter printer can produce popular styles such as Letter Gothic, Orator, Prestige Elite, OCR-A and OCR-B in Digital mode. In IBM Proprinter emulation mode, it can print OCR-A, OCR-B, and Presentor styles.

Specifications

Print Characteristics:

Print Technology:	Impact dot matrix, 24-wire printhead
Print Density	Draft quality: 9 by 24 standard character cell density
	Letter-quality: 30 by 24 standard character cell density

Performance Characteristics:

Print Speed (burst)	300 cps (draft) 100 cps (letter-quality)
Throughput	Based on ECMA 132 Performance Standard Spreadsheet
	(draft): 197 pages/hour
	Letter (draft): 291 pages/hour
	Letter (letter quality): 150 pages/hour
Duty Cycle	5000 pages/month

Paper Types:

Tractor Fed	
Single Sheet or	Up to 6 parts Width: 10.8 cm to 40.6 cm (4.25 in to 16 in)
Multiple Part Forms	Maximum thickness: .5 mm (.020 in)
Labels	Maximum thickness: .3 mm (.012 in)
Hand Fed	
Cut Sheets or	Up to 6 parts Width: 10.2 cm to 43.2 cm (4 in to 17 in)
Multiple Part Forms	Width (16 lb single sheet): 10.2 cm to 30.5 cm
	(4 in to 12 in)
	Maximum thickness: .5 mm (.020 in)
Labels	Maximum thickness: .3 mm (.012 in)
	Envelopes: Maximum thickness: .5 mm (.020 in)
	Minimum height: 10.2 cm (4 in)

Digital ANSI Mode:

Char. Pitch	5, 6, 6.67, 8.86, 9, 10, 12, 13.33, 17.14, or 18 cpi
Char. Attributes	Underline, Double Underline, Overline, Bold, Color,
	Slant, Strike-through, Subscript, Superscript
Line Spacing	2, 3, 4, 6, 8, 10, or 12 lpi
Character Sets	U.S. ASCII, (14) National Replacement Character Sets,
	DEC Special Graphics, DEC Technical, DEC Supplemental,
	ISO Latin-1 Supplemental, DEC Hebrew Supplemental,
	ISO Latin-Hebrew Supplemental, DEC Legal Set, Katakana
Graphics	Sixels with color extension 180 × 180 dpi max density

IBM Proprinter XL24 Emulation Mode:

Char. Pitch	5, 6, 8.86, 10, 12, or 17.14 cpi and Proportional Spacing
Char. Attributes	Underline, Overline, Enhanced, Overstrike, Slant,
	Subscript, Superscript
Line Spacing	6, 8, or 10.3 lpi
Character Sets	Character Set A, Character Set B, All Character Set
Graphics	High Density Graphics 180 × 180 dpi max density

Digital's Worldwide Service Organization is Ready to Assist You

Digital has a portfolio of multivendor service and support specifically tailored for the growing base of desktop customers. Digital's Desktop Service Solutions support both Digital and the most popular non-Digital hardware products, operating systems, and software applications. These services range from start-up services and on-site remedial support to telephone advisory support.

Learn more about the new LA324 MultiPrinter by calling your Digital Sales Representative, calling 1-800-DIGITAL, or by contacting your Authorized Digital Distributor.

Specifications (continued)

Physical Characteristics:

Height:	17 cm (6.7 in)
Depth:	31.0 cm (12.2 in)
Width:	61.5 cm (24.2 in)
Weight:	14.3 kg (31.5 lb)

Power Requirements:

Voltage	120V, 220V, and 240V nominal with automatic switching, universal power supply
Frequency	50 to 60 Hz
Power Consumption	170 Watts maximum

Environmental:

Operating Temperature	10°C to 40°C (50°F to 104°F)
Operating Humidity	10% to 90% relative humidity
Acoustic Noise	Less than 55 dBA; in quiet mode 51 dBA (front bystander position)

Communications:

Baud Rates	200 to 19.2K
Data Interfaces	Serial DEC423 and Centronics parallel interfaces; 20mA with optional converter
Input Buffer Size	2 Kbytes

Ordering Information:

LA324-CA	LA324 MultiPrinter for North America
LA24X-CA	DEC Letter Gothic Font Cartridge
LA24X-CB	DEC Orator Font Cartridge
LA24X-CC	DEC Prestige Elite Font Cartridge
LA24X-CG	DEC OCR-A Font Cartridge
LA24X-CH	DEC OCR-B Font Cartridge
LA24X-CD	IBM OCR-A Font Cartridge
LA24X-CE	IBM OCR-B Font Cartridge
LA24X-CF	IBM Presentor Font Cartridge
LA24R-KA	Ribbon, Black; 5 M characters
LA24R-KC	Ribbon, Color; yellow, magenta, cyan, and black. Up to 500,000 characters per color band.
LA24X-PS	Printer Stand (pedestal-style)
LA24X-DS	Desktop Stand
LA24X-SF	Automatic Triple-Bin Sheet Feeder
H8673-AA	20mA-to-EIA-423 MMJ passive converter
BC19M-10	IBM/Centronics Parallel Cable
H8571-A	25-pin male-to-MMJ adapter
H8571-B	9-pin male-to-MMJ adapter (DEC)
H8571-C	25-pin cable-to-MMJ adapter
H8571-D	25-pin female-to-MMJ adapter (modem)
H8571-J	9-pin (PC-type)-to-MMJ adapter