CL-PS7500FE Development Kit

Product Bulletin

OVERVIEW

The CL-PS7500FE development kit is a complete development platform with access to the features and capabilities of the CL-PS7500FE. The kit provides the tools required for developing and testing the design of a highly integrated CL-PS7500FE system.

The CL-PS7500FE is a highly integrated system on a chip designed to be used in devices such as set-top boxes, network computers, videophones, etc.

HIGHLIGHTS

- Allows for fast prototyping of new hardware/software designs
- Base platform for the porting of operating systems
- Expandable through the use of two ISA slots and/or the bread board space

KIT CONTENTS

Software

- ARM® Software Development Toolkit v2.50 (60 day trial version)
- ARM Angel™ debug monitor pre-installed in boot ROM
- Sample source code showing the use of the board peripherals
- Software User's Guide

Hardware

- CL-PS7500FE development board
- NULL modem cable
- Power supply
- Hardware User's Guide
- OrCad 7.2 board schematics & PDF printable equivalent
- Data sheets for board components

TECHNICAL SPECIFICATIONS

Software

- 60-day evaluation version of the ARM SDT v2.50, which includes a C compiler, assembler, linker, debugger, ARM simulator, and project manager
- Sample C source code for a library to hide/simplify the use of all board peripherals
- Sample C source code for example programs that use the peripheral library

Hardware

- 56-MHz CL-PS7500FE processor
- Boot ROM
- FLASH SIMM socket (supporting up to 16 MByte)
- Two 72-pin DRAM SIMM sockets (includes one 16 MByte EDO SIMM - expandable to 128 MByte)
- SVGA port
- Composite video out
- S-Video out
- CS8900A 10BaseT Ethernet controller
- CS4333 CD-quality stereo DAC
- PS/2-style keyboard and mouse port
- Two 16C550A - compatible serial ports
- SPP/EPP/ECP parallel port
- IrDA port (uses one of the serial ports)
- Connector for custom LCD interface board
- Two ISA slots
- Eight-segment LED bar
- Two event switches
- Headers providing access to bus and peripheral control signals
- Uses supplied AC adapter or standard AT power supply

HOST SYSTEM REQUIREMENTS

- IBM®-compatible PC running Windows 95® or Windows NT™ 4.0
- ARM Software Development Toolkit v2.50

ORDERING INFORMATION

Part number: EDB7500FE-2

CL-PS7500FE Development Board Block Diagram
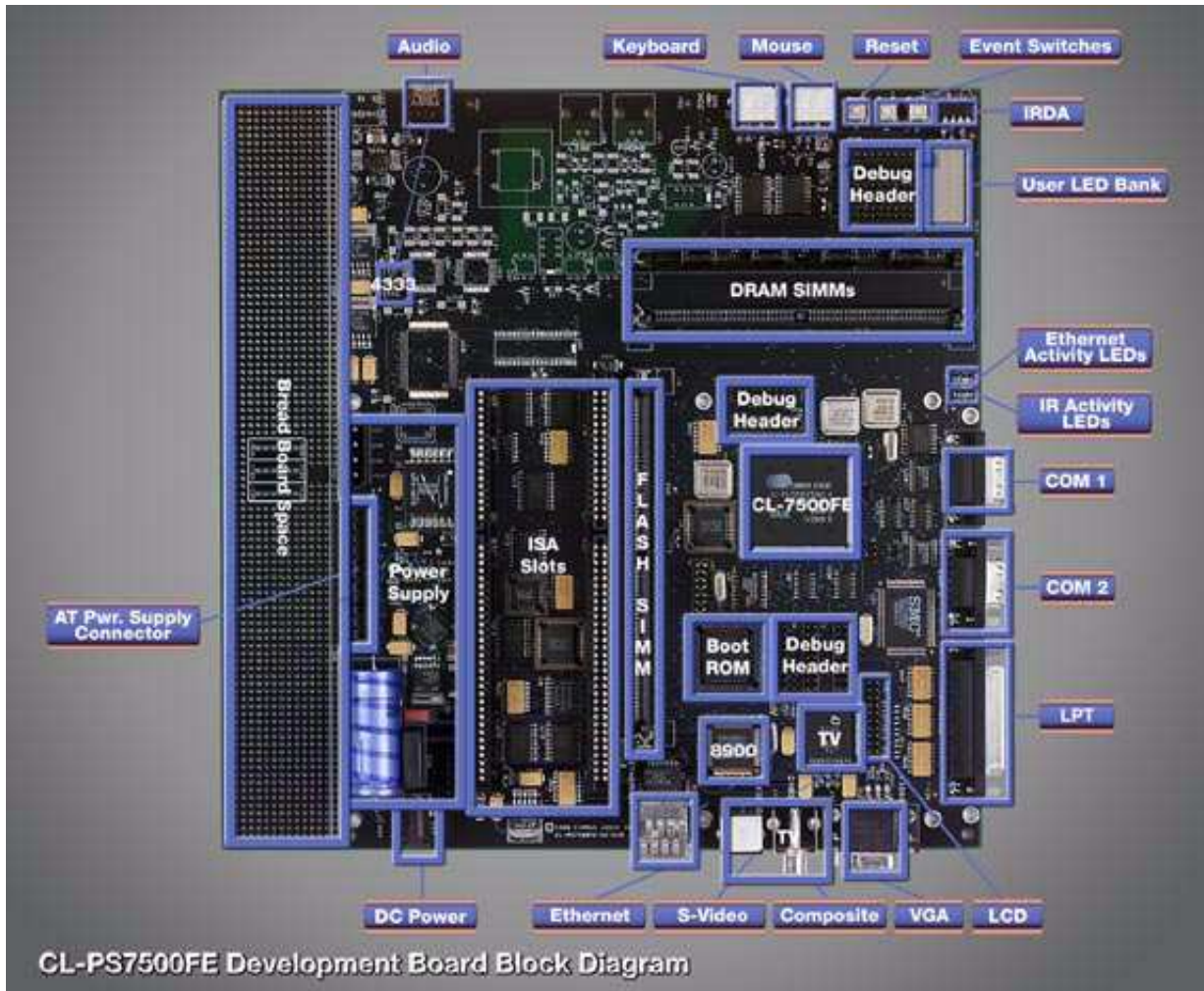
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