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

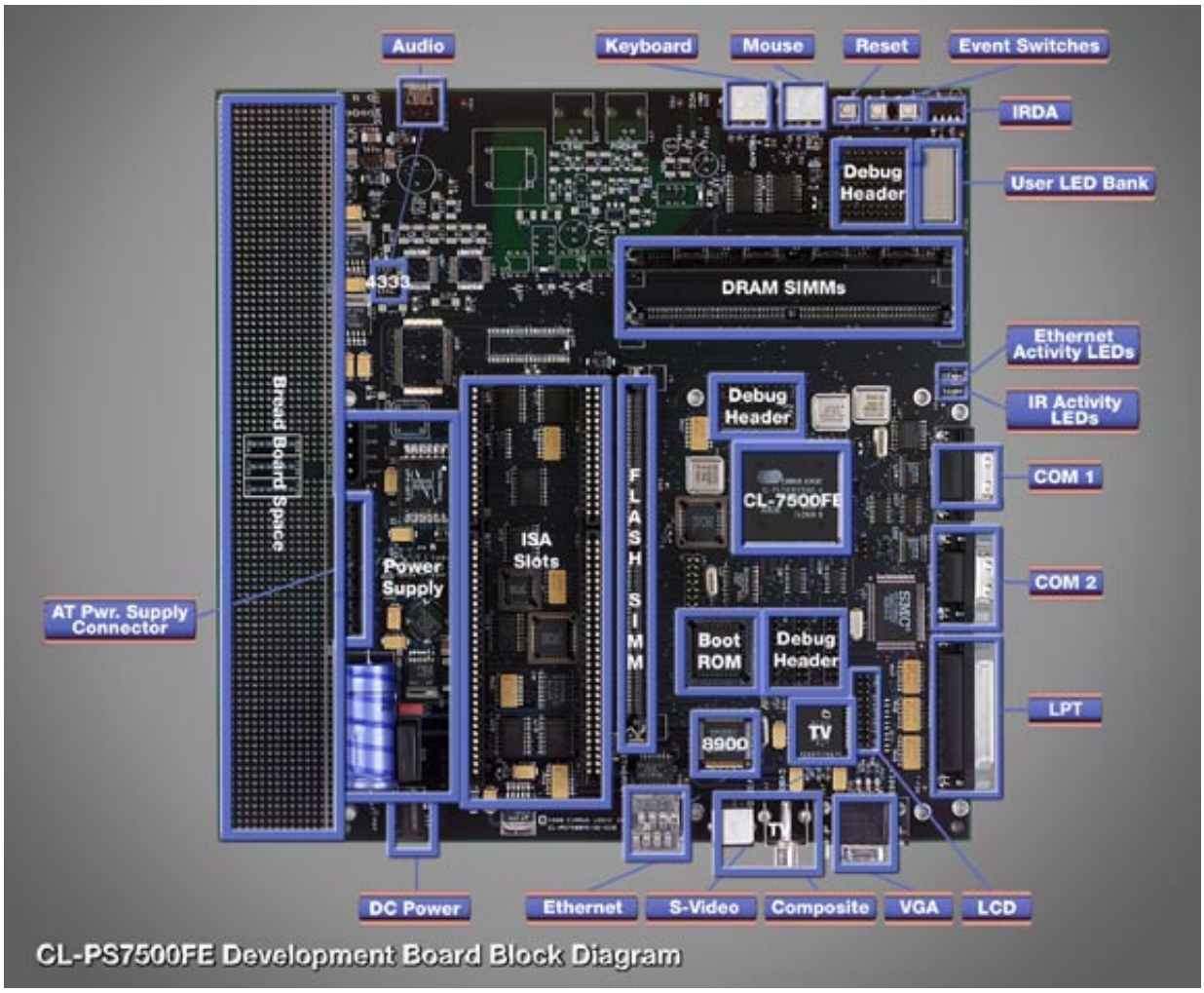
- 56-MHz CL-PS7500FE processor
- Boot ROM
- FLASH SIMM socket (supporting up to 16 MByte)
- Two 72-pin DRAM SIMM sockets (includes one 16 MByte EDO SIMM - expandable to 128 MByte)
- SVGA port
- Composite video out
- S-Video out
- CS8900A 10BaseT Ethernet controller
- CS4333 CD-quality stereo DAC
- PS/2-style 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



Contacting Cirrus Logic Support

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With more than 800 patents (issued and pending), Cirrus Logic's inventions are substantive, and the company continues to expand its rich intellectual property portfolio through major R&D investments. Nearly half of the company's patents involve mixed-signal technology, which is key to innovating highly integrated system-on-a-chip solutions. Over the past decade, Cirrus Logic has achieved 70 plus industry firsts with its product introductions. Many of these innovations have set new industry standards within their respective markets.

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