CL-PS7111 Development Kit

Product Bulletin

OVERVIEW

The CL-PS7111 development kit provides a comprehensive set of tools for developing and testing the features of the CL-PS7111 chip. The CL-PS7111 is an ultra low power system-on-a-chip with a built-in LCD controller designed to be used in devices such as handheld organizers/PDAs, smart phones, handheld information appliances, and GPS (global positioning system) devices.

This development kit is easy to set up and provides all necessary tools required for developing and testing a complete embedded solution.

HIGHLIGHTS

- Allows for fast prototyping of new hardware/software designs
- Base target platform for the port of operating systems and application development
- Expandable through the use of the expansion header or the integrated bread board space

KIT CONTENTS

Hardware

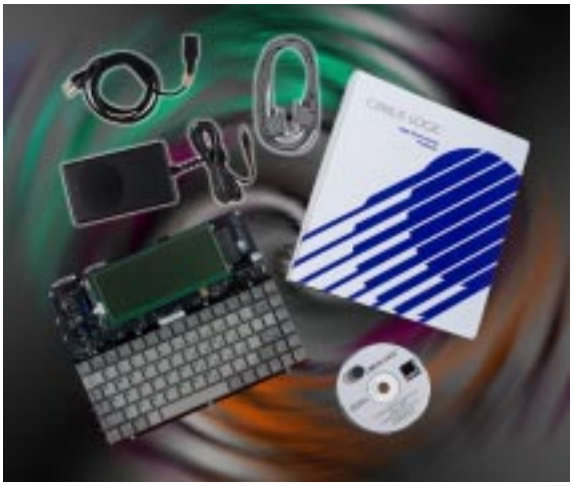
- CL-PS7111 development board
- Touch-screen LCD
- Keyboard
- NULL modem cable
- International power supply
- Hardware User's Guide
- OrCad 7.2 board schematics
- Data sheets for board components

Software

- ARM Software Development Toolkit v2.11a (60-day evaluation version)
- Angel pre-installed in ROM
- Source code showing the use of the board peripherals
- Software User's Guide

HOST SYSTEM REQUIREMENTS

- IBM™-compatible PC running Windows 95® or Windows NT™ 4.0
- ARM® Software Development Toolkit v2.11a



TECHNICAL SPECIFICATIONS

Hardware

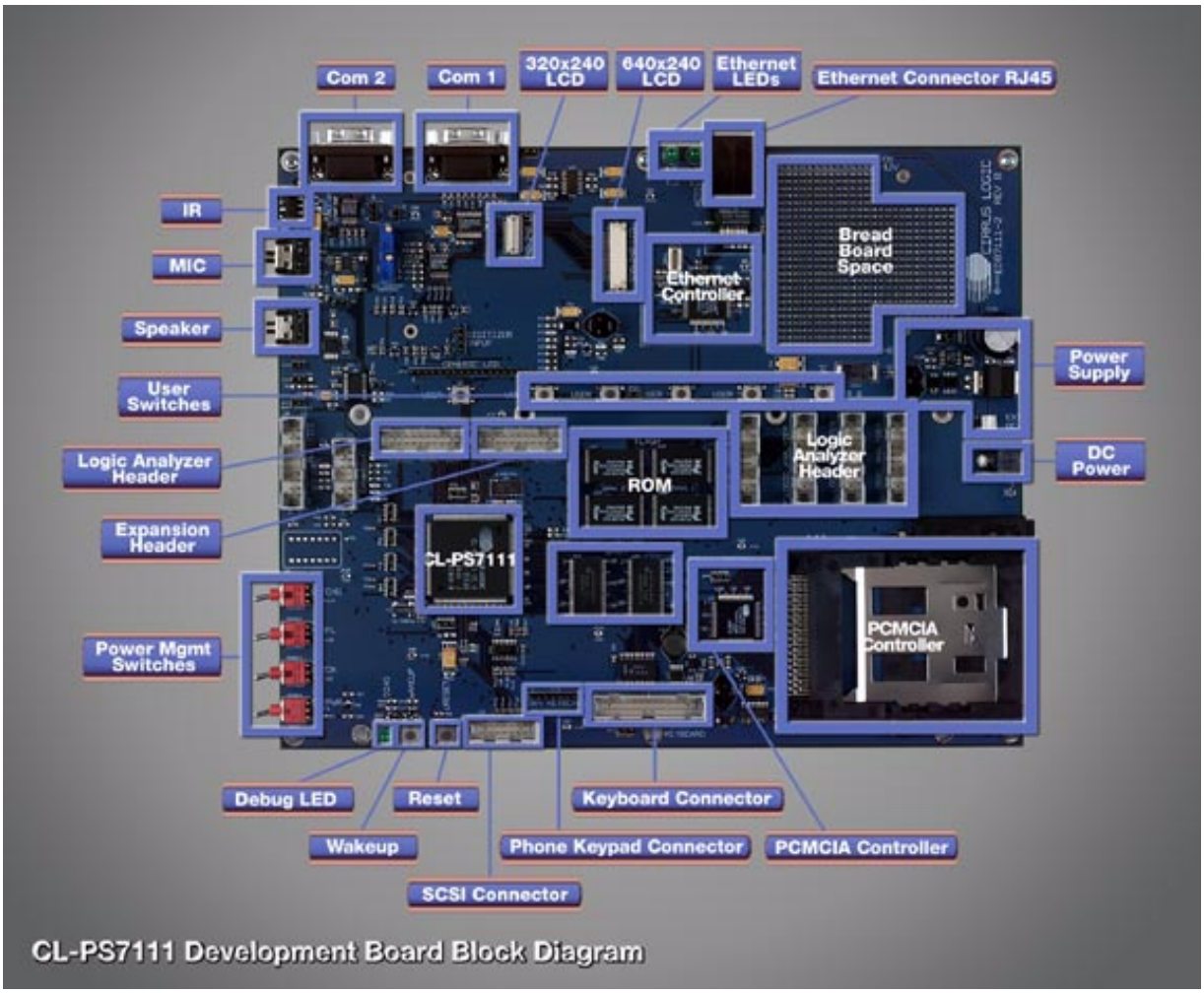
- 18.432 MHz CL-PS7111 processor
- 16-MB FLASH memory
- 16-MB DRAM
- Grayscale 640x240 back-light touch-screen LCD
- 83-key QWERTY keyboard
- CS8900A 10BaseT Ethernet controller
- CL-PS6700 PCMCIA controller with one type II socket
- Telephony codec with microphone input and amplified speaker output
- Two serial ports
- IrDA port (uses one of the serial ports)
- Event switches for simulating power management events
- Connector for custom LCD interface board
- Connector for SPI/Microwire interface board
- Headers providing access to bus and peripheral control signals
- Expansion bus connector
- Prototype space

Software

- 60-day evaluation version of the ARM SDT v2.11a, which includes a C compiler, assembler, linker, debugger, ARM simulator, and project manager
- Source code for a library to simplify/hide the use of all board peripherals
- Source code for example programs which use the peripheral library

ORDERING INFORMATION

Part number: EDB7111-2



Contacting Cirrus Logic Support

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