EP7312 Development Kit

Product Bulletin

OVERVIEW

The EP7312 Development Kit provides a comprehensive set of tools for developing and testing a single chip solution for handheld devices with audio decoding capability. The EP7312 allows for market specific microprocessor-based decoding of a wide variety of digital audio compression standards such as MP3, AAC, Audible, and Microsoft® Windows® Media Technologies 4.0.

The EP7312 Development Kit is a cost-effective platform that enables designers to rapidly bring hand-held information appliances with digital audio players to market at reduced cost. It is easy to set up and includes all necessary tools required for developing and testing a highly integrated EP7312-based system.

DEVELOPMENT BOARD SPECIFICATIONS

- EP7312 processor with dynamically controllable clock speeds of 18, 36, 49, and 74 MHz
- 16-MB NOR FLASH memory for code/data storage
- 16-MB SDRAM for data storage
- 32-MB NAND FLASH for encoded audio data storage
- SmartMedia™ connector for additional NAND FLASH that conforms to SSFDC standard
- Full JTAG scan and EmbeddedICE™ support for debugging
- EPP parallel port interface
- Two serial ports
- Enhanced Digital Audio Interface with 16-bit stereo D/A and A/D
- USB device interface (compliant with USB Specification Rev 1.1)
- Event switches for simulating power management events
- Available in either grayscale 640 x 240 backlit touch-screen LCD or 1/4 VGA (320 x 240) color LCD
- Headers providing access to bus and peripheral control signals
- Expansion bus connector
- IR port (uses one of the serial ports), compatible with IrDA® Standard Specifications

KIT CONTENTS

Hardware

- EP7312 development board
- Null modem cable and USB cable
- Board schematics in OrCad® 7.2 and PDF formats
- Documentation on CD-ROM
- 83-key QWERTY keyboard
- Grayscale or optional color LCD

SOFTWARE

- MULTI 2000® leading embedded Software Toolkit from Green Hills™ Software, Inc. (30-day evaluation version) Requires Windows® 98 / Windows NT®
- ARM® Software Development Toolkit v2.50 (60-day evaluation version) which includes a C compiler, assembler, linker, debugger, ARM simulator, and project manager - Requires Windows® 95 / Windows® 98 / Windows NT®

OPTIONAL THIRD PARTY SUPPORT AND PARTNERS

Development Toolkits

- GNU™ Toolset from Red Hat®, Inc. (formerly Cygnus®)
- Nucleus UDB Universal Debugger from Accelerated Technology, Inc.
- Tornado™ from Wind River Systems®

Operating Systems

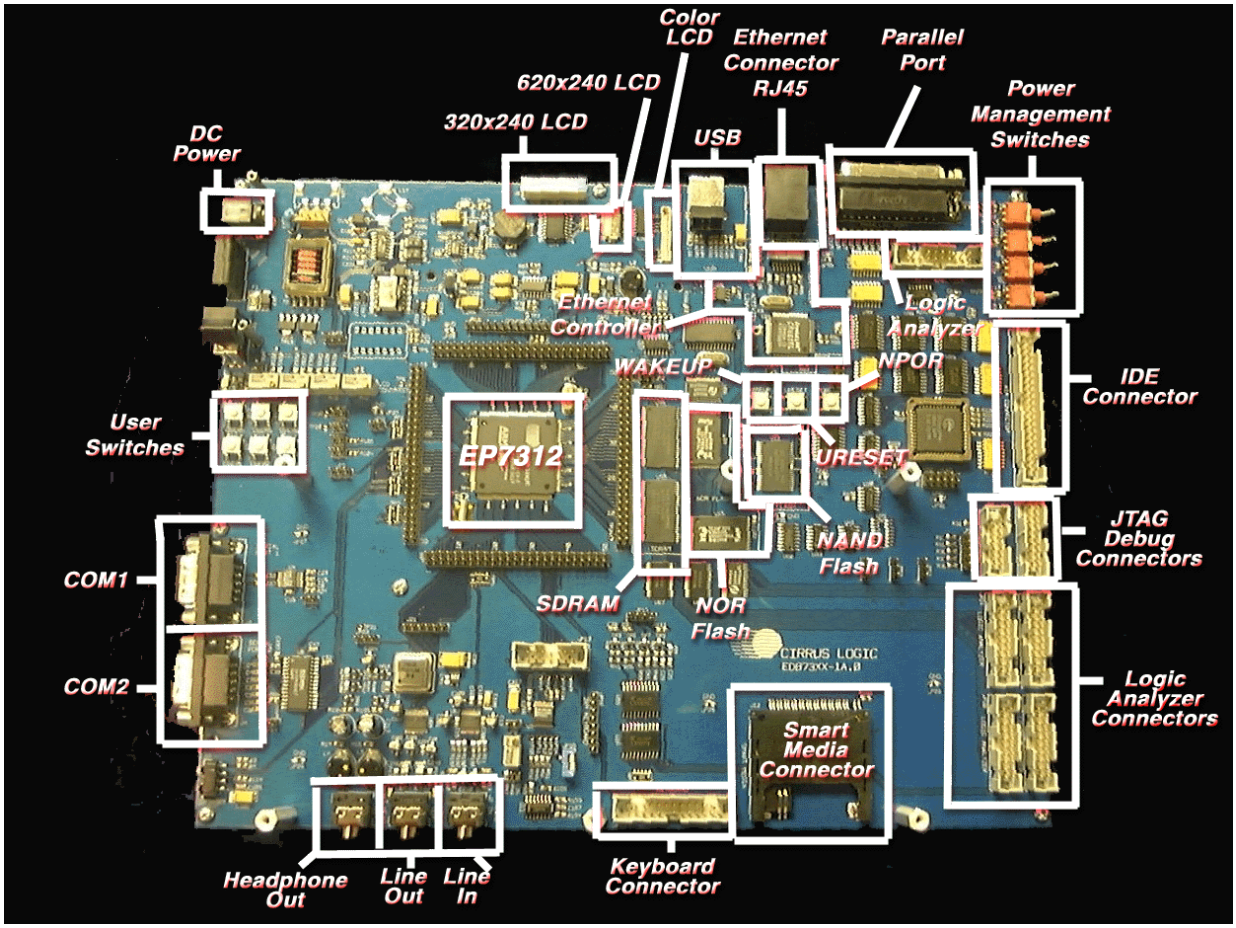
- Linux® support from ISD Corporation
- ThreadX® from Express Logic, Inc.
- eCos™ from Red Hat, Inc. (formerly Cygnus)
- VxWorks® from Wind River Systems
- Nucleus Plus™ from Accelerated Technology, Inc.
- OS-9® from Microware®, Inc.

Debuggers/Emulators

- JEENI™ by Embedded Performance, Inc.
- ARM Multi-ICE™
- Hewlett-Packard® Logic Analyzers

ORDERING INFORMATION

EDB7312-1, No keyboard, no LCD on the board.
EDB7312-2, QWERTY keyboard, grayscale LCD on board.
EDB7312-3, QWERTY keyboard, color STN LCD on board.



Contacting Cirrus Logic Support

For a complete listing of Direct Sales, Distributor, and Sales Representative contacts, visit the Cirrus Logic web site at:
http://www.cirrus.com/corporate/contacts/sales.cfm

Cirrus Logic Inc. (Nasdaq: CRUS) is a premier supplier of precision linear circuits and advanced mixed-signal chip solutions. The company's products, sold under its own name and the Crystal® product brand, enable system-level applications in mass storage, audio, and precision data conversion.

With more than 900 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-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.

Cirrus Logic operates from headquarters in Austin, Texas and major sites in Fremont, California and Broomfield, Colorado. Internationally, the company operates from offices in Europe, Japan, and Pacific Asia.

More information about Cirrus Logic and its products can be accessed at the company's world wide web site: www.cirrus.com.