

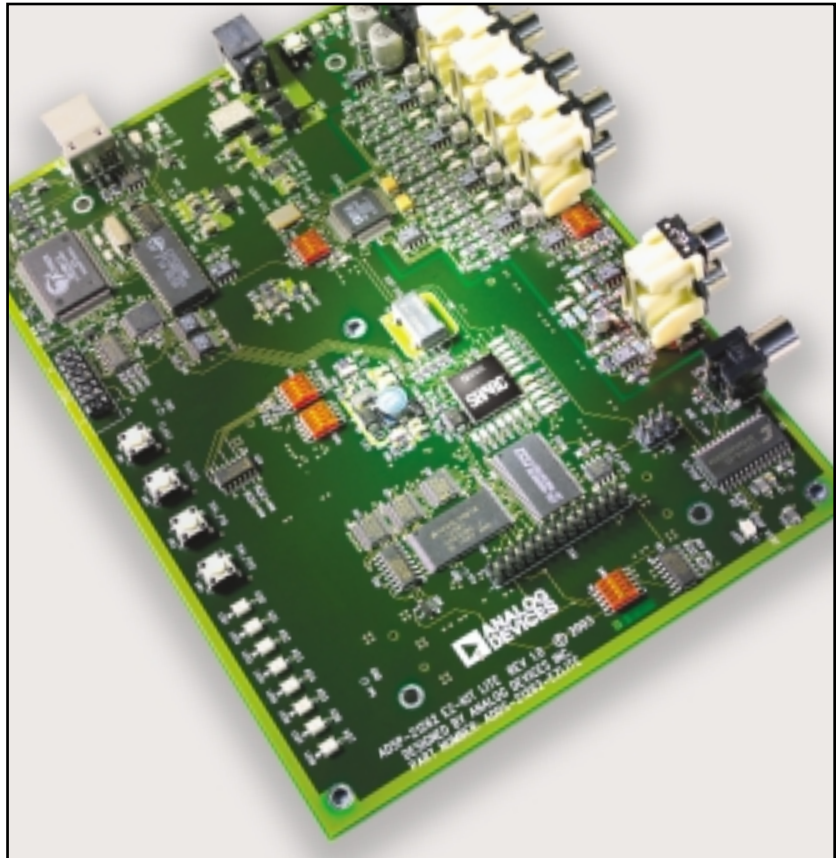
ADSP-21262 EZ-KIT Lite Evaluation Kit for the Low Cost SHARC DSP

Key Features

- ADSP-21262 SHARC DSP
- 1 M x 8-bit FLASH memory
- 512 K x 8-bit SRAM
- 512 Kbit SPI[®] FLASH memory
- AD1835 stereo, 96 kHz, 24-bit Σ - Δ codec
- 4 x 2 RCA jack for four channels of stereo audio output
- 1 x 2 RCA jack for one channel of stereo audio input
- Headphone jack (connected to one of the stereo outputs)
- SPDIF receiver with RCA jack
- USB-based debugger interface
- JTAG ICE 14-pin header
- Evaluation suite of VisualDSP++ development tools
- 0-Ohm resistor for current measurement
- FLASH utility for downloading boot code to on-board FLASH memory
- Type A expansion interface with three connectors supporting parallel port, FLAG, SPI, and DAI interfaces
- 12 LEDs: one power, one board reset, one USB reset, one USB monitor, and eight general purpose
- Five push buttons: one reset, two general purpose input (connected to DAI), two IRQ (connected to flag pins)
- USB cable
- CE certified

System Requirements

- Intel[®] Pentium[®] 166 MHz, or higher
- 32 MB RAM, minimum
- Microsoft[®] Windows[®] 98/2000/XP
- One available USB connector



Overview

The ADSP-21262 EZ-KIT Lite™ provides developers with a cost-effective method for initial evaluation of the ADSP-21262 SHARC[®] DSP architecture via a USB-based, PC-hosted tool set. With this EZ-KIT Lite, users can learn more about Analog Devices' (ADI's) ADSP-21262 hardware and software development and quickly prototype a wide range of applications.

The EZ-KIT Lite includes an ADSP-21262 SHARC DSP desktop evaluation board along with an evaluation suite of the VisualDSP++™ development and debugging environment including the C/C++ compiler, assembler, and linker. The evaluation suite of VisualDSP++ is designed to be used with the EZ-KIT Lite only.



The VisualDSP++ software communicates with the board via the USB interface to perform standard debugging functions:

- Read and write memory
- Read and write registers
- Load and execute executables
- Set and clear breakpoints
- Single step assembly of C and C++ source code

The EZ-KIT Lite can be used as a standalone unit without a PC host by using the FLASH memory or the SPI FLASH memory.

For faster and unrestricted debugging, a family of JTAG emulators and full versions of VisualDSP++ are available separately from Analog Devices.

Also available separately through ADI is the ADSP-21262 EZ-Extender daughter board, which allows a number of ADI analog-to-digital High Speed Converter (HSC) evaluation boards to interface with the ADSP-21262 EZ-KIT Lite.

CROSSCORE™ Development Tools

The EZ-KIT Lite is part of the Analog Devices CROSSCORE Tools product line, which is composed of a comprehensive set of development tools providing engineers with easier and more robust methods for developing and optimizing systems.

The CROSSCORE components include:

- VisualDSP++ software development and debugging environment
- EZ-KIT Lite evaluation systems
- Emulators

The easy-to-use VisualDSP++ integrated software development environment speeds development, debugging, and deployment while shrinking product development cycles and improving time to market. The EZ-KIT Lite evaluation suite provides an easy way to investigate the performance of ADI's family of embedded processors and DSPs. Emulators are available for both PCI and USB host platforms for rapid on-chip debugging.

Analog Devices is committed to continuous expansion of leading-edge development solutions for design engineers everywhere.

Embedded Processors and DSPs

Analog Devices is a leading supplier of embedded processing solutions, from the low power ADSP-21xx DSP families to the high performance Blackfin® and TigerSHARC® Processors, and low cost SHARC DSPs to integrated mixed-signal DSPs that are ideal for an ever-increasing spectrum of applications. ADI's advances in design provide faster processing, more memory, lower power consumption, and simplified system integration. ADI products and technology provide a competitive edge, complete with expert technical support, comprehensive development tools, and the DSP Collaborative™, an independent network of third-party developers.

Information and Support

CROSSCORE Tools

Tel: 1-800-ANALOGD (U.S.A. only)
Email: dsptools@analog.com
Web: www.analog.com/processors/tools

Ordering Information

The ADSP-21262 EZ-KIT Lite, part number ADDS-21262-EZLITE, is available from the ADI CROSSCORE Tools product line (603-883-2430), local ADI sales representatives, and distributors. Please contact them for pricing and ordering details.

Embedded Processing Support

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