EZ-KIT Lite for Analog Devices ADSP-TS101S TigerSHARC Processor

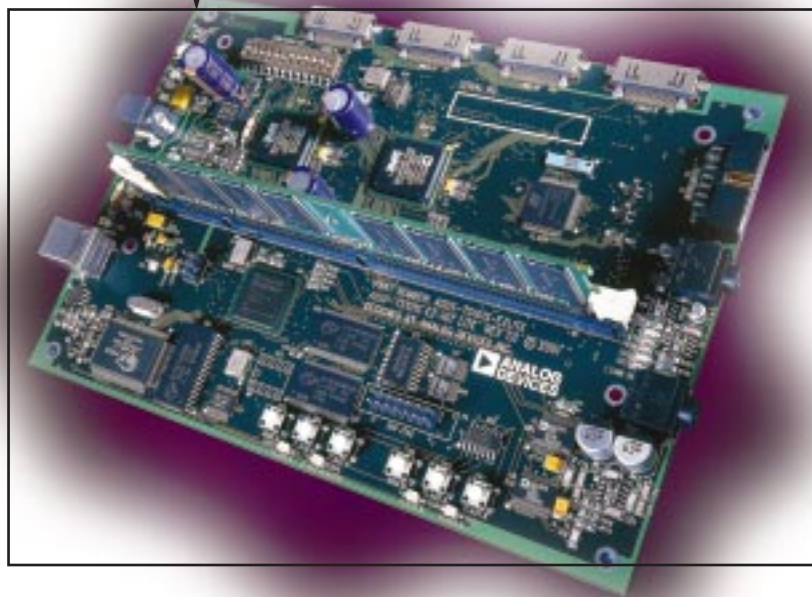## Key Features

Attributes
- Dual ADSP-TS101S Processors
- 83 MHz oscillator and buffer logic
- ST Microelectronics DSM2150F5V combination FLASH (512K x 8) and programmable logic
- MT4LSDT464A (4M x 64) 32 MB Synchronous Dynamic RAM (SDRAM)
- DIMM expandable up to 128 MB
- Three 90-pin connectors for analyzing and interfacing with the expansion slot
- USB version 1.1 compliant interface
- JTAG ICE 14-pin header
- Evaluation suite of VisualDSP++
- Desktop standalone operation

System Requirements
- Pentium® 166 MHz or higher
- Minimum of 32 MB of RAM
- Windows® 98/2000/XP
- One high-speed USB port

Overview

The ADSP-TS101S EZ-KIT Lite® provides developers with a cost-effective method for initial evaluation of the TigerSHARC® Processor family. The EZ-KIT Lite includes two ADSP-TS101S processors on the desktop evaluation board and fundamental debugging software to facilitate architecture evaluations via a USB based, PC-hosted tool set. With this EZ-KIT Lite, users can learn more about ADI's ADSP-TS101S hardware and software development and prototype applications. The ADSP-TS101S EZ-KIT Lite provides an evaluation suite of the VisualDSP++™ development environment with the C/C++ compiler, assembler, and linker. All software tools are limited for use with the EZ-KIT Lite.

You can also connect a JTAG emulator to the EZ-KIT Lite. Through the emulator, you can load programs, start and stop program execution, observe and alter registers and memory, and perform other debugging operations. JTAG emulators are available from Analog Devices.

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Analog Devices' CROSSCORE Tools

CROSSCORE®, Analog Devices' development tools product line, provides easier and more robust methods for engineers to develop and optimize systems by shortening product development cycles for faster time-to-market.

The CROSSCORE components include the VisualDSP++ software development environment, EZ-KIT Lite evaluation systems, and emulators for rapid on-chip debugging. VisualDSP++ is an integrated software development environment allowing for fast and easy development, debug, and deployment. Emulators are available for PCI and USB host platforms. The EZ-KIT Lite evaluation system provides an easy way to investigate the power of the ADI's family of processors to develop applications.

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

For more information on the tools product line, visit the Analog Devices website: **www.analog.com/processors/tools**.

Embedded Processors and DSPs

Analog Devices is a leading supplier of digital signal processing solutions, from the low power ADSP-21xx DSP families, to the high-performance Blackfin® Processors, TigerSHARC® Processors, and SHARC® DSPs, to integrated mixed-signal DSPs for an increasing spectrum of applications. Our advances in design provide faster processing, more memory, lower power consumption, and simplified system integration. ADI gives you a competitive edge by providing a complete solution including expert technical support, comprehensive development tools, and an independent network of third party developers called the DSP Collaborative™. For more information about ADI processors, visit **www.analog.com/processors**.

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Ordering Information

Please call Analog Devices CROSSCORE Tools at 603/883-2430 or your local ADI sales representative or distributor for pricing and ordering information for part number: **ADDS-TS101S-EZLITE**.

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