

# EZ-KIT Lite for Analog Devices ADSP-21161N SHARC Processor

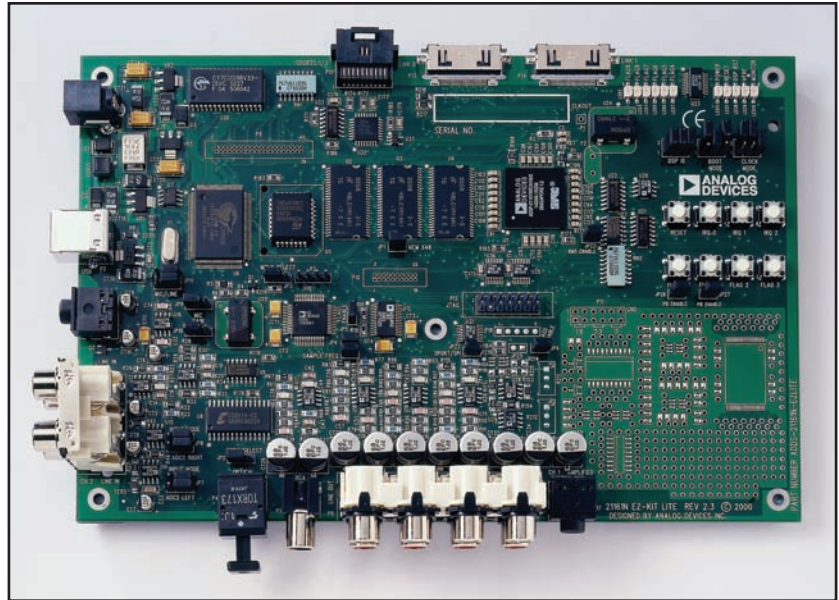
## Key Features

### Attributes

- ADSP-21161N SHARC® Processor
- 48 MB (8M × 48-bit) SDRAM
- 512k × 8-bit flash memory
- AD1836 96 kHz audio codec
- AD1852 96 kHz auxiliary DAC
- USB version 1.1 compliant interface
- SPI® interface
- 14-lead emulator connector for JTAG interface
- Evaluation suite of VisualDSP++®
- 2 link port connectors
- S/PDIF receiver
- CE certified

### System Requirements

- Pentium® 166 MHz or higher
- Minimum of 32 MB of RAM
- Windows® 2000/XP
- One USB port



## Overview

The ADSP-21161N EZ-KIT Lite provides developers with a cost effective method for initial evaluation of the ADSP-21161N SHARC Processor. The EZ-KIT® Lite includes an ADSP-21161N 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-21161N hardware and software development and prototype applications. The ADSP-21161N 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.

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



## CROSSCORE® Development Tools

The ADSP-21161N EZ-KIT Lite is a part of the ADI CROSSCORE development 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++ development and debugging environment
- EZ-KIT Lite evaluation kits
- EZ-Extender® daughterboards
- USB emulators

The easy to use VisualDSP++ integrated development environment speeds development, debugging, and deployment while shrinking product development cycles and improving time to market. The EZ-KIT Lite evaluation kits provide an easy way to investigate the performance of the ADI family of embedded processors and DSPs. EZ-Extender daughterboards give developers access and connectivity to various peripherals from ADI and third parties to the expansion interface of the EZ-KIT Lite evaluation kits. USB emulators are available for rapid on-chip debugging.

## Embedded Processors and DSPs

Analog Devices is a leading supplier of digital signal processing solutions, from the high performance Blackfin® Processors, TigerSHARC® Processors, and SHARC Processors to integrated mixed-signal DSPs for an increasing spectrum of applications. Analog Devices' advances in design provide faster processing, more memory, lower power consumption, and simplified system integration. Analog Devices gives users 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 Collaborative.™ For more information about ADI processors and DSPs, visit [www.analog.com/processors](http://www.analog.com/processors).

### CROSSCORE Tools Support

Tel: 1-800-ANALOGD

Web: [www.analog.com/processors/support](http://www.analog.com/processors/support)

### Ordering Information

Please call Analog Devices CROSSCORE Tools at 603.883.2430 or contact your local ADI sales representative or distributor for pricing and ordering information for part number: **ADZS-21161N-EZLITE**.

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