



EVAL-USBLAN-EZEXT

The Blackfin USB-LAN EZ-Extender board is a low-cost, plug-on extender for the ADSP-BF533 EZ-KIT Lite, ADSP-BF537 EZ-KIT Lite, and ADSP-BF561 EZ-KIT ... [Show More..](#)

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**Board Design
Database**
Rev.2.0

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Features

- PLX Technology's Netchip 2272 device
- USB Driver and Application code
- USB Logo Certified
- Derives Power from EZ-KIT Lite
- MSC's LAN 91C111 device
- SMSC's MII Connector to evaluate different PHYs with the BF537 EZ-KIT Lite
- Ethernet Stack and Application code
- 3.13 in (H) x 3.6 in

Markets & Technology

Aerospace and Defense

- [Milcom](#)

Applicable Parts

- [ADSP-BF534](#)
- [ADSP-BF537](#)
- [ADSP-BF531](#)
- [ADSP-BF532](#)
- [ADSP-BF533](#)

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Package Contents

- Blackfin USB-LAN EZ-Extender
- (plugs directly onto the expansion interface of the ADSP-BF533, ADSP-BF537, or ADSP-BF561 EZ-KIT Lite boards)

Product Details

The Blackfin® USB-LAN EZ-Extender daughter board allows developers to connect to the Asynchronous Memory Bus on the ADSP-BF533 EZ-KIT Lite, ADSP-BF537 EZ-KIT Lite and ADSP-BF561 EZ-KIT Lite.

The EZ-Extender has peripherals that support USB 2.0 and 10/100 Ethernet. A MII Connector can also be used when interfacing to a ADSP-BF537 EZ-KIT Lite. The MII connector allows a user to plug in different PHY evaluation boards.

Applications and information about the use and connection of the various interfaces on the Blackfin EZ-Extender are available from Analog Devices.

Part Number:

ADZS-USBLAN-EZEXT

Tools Support: ... [Show More..](#)

System Requirements

- Windows XP Professional SP3 (32-bit only).
- Windows Vista Business/Enterprise/Ultimate SP2 (32-bit only). It is recommended to install the software in a non-UAC-protected location.
- Windows 7 Professional/Enterprise/Ultimate (32 and 64-bit). It is recommended to install the software in a non-UAC-protected location.
- Minimum of 2 GHz single core processor, 3.3 GHz dual core is recommended.
- Minimum of 1 GB memory (RAM), 4 GB is recommended.
- Minimum of 2 GB hard disk (HDD) space is required.
- CrossCore Embedded Studio for Analog Devices Processors.
- VisualDSP++ 5.0 and Latest Update.

Documentation

4 See All

2 Emulator Manuals

1 Legacy Evaluation Kit Manuals

1 Board Design Database

HPUSB, USB, and HPPCI Emulator User's Guide (Rev. 3.2)

PDF

746 kB

ICE-100B Emulator User's Guide (Rev. 1.1)

PDF

348 kB

Getting Started With Blackfin Processors (Rev. 6.0)

PDF

3.08 M

Blackfin USB-LAN EZ-Extender Board Design Database (Rev. 2.0)

Contains all of the electronic information required for the design, layout, fabrication and assembly of the Blackfin USB-LAN EZ-Extender.

Software

3 See All

1 DSP Software

1 Design Tools

1 Software Development Tools

Blackfin USB-LAN EZ-Extender Board Support Package

[Download Software \(Release 1.1.0\)](#)

[Download Release Notes \(Release 1.1.0\)](#)

[Download Software \(Release 1.0.0\)](#)

[Download Release Notes \(Release 1.0.0\)](#)

Blackfin Processors Software and Tools

CrossCore Embedded Studio

CrossCore® Embedded Studio is a world-class integrated development environment (IDE) for the Analog Devices Blackfin®, SHARC® and ARM™ processor families.

Image Processing Toolbox, Blackfin

The Image Processing Toolbox library for the Blackfin processor implements a set of image processing primitives designed to enable faster development of complex image or video processing solutions.

Bitmap Image File (BMP) Decoder

The Bitmap Image File (BMP) Decoder library for the Blackfin processor implements data handling for BMP data as uncompressed data format or an RLE encoder data.

Vision Analytics Toolbox, Blackfin

The Vision Analytics Toolbox (VAT) library for the Blackfin processor provides a set of software modules that make use of primitives from the video content analysis toolbox (VCAT) and provides solutions to relatively complex problems like face detection, edge detection, shape detection, classification, and others.

Graphic Equalizer, Blackfin

The Multiband Graphic Equalizer library for the Blackfin processor allows audio signals to be filtered with a bank of band filters.

2D Graphics Primitives, Blackfin

The 2D Graphics Primitives (BF2DGL) library for the Blackfin processor implements primitives, which are based on the Open GL-ES/OpenCV APIs and are supported with wrapper example code for the OpenGL-ES/OpenCV, GLUT, and extended APIs.

MPEG-4 HE-AAC v2 Decoder, SHARC

The MPEG-4 HE-AAC v2 decoder library (with DAB and DRM support) for the SHARC processor implements a combination of Advanced Audio Coding (AAC), Spectral Band Replication (SBR) and Parametric Stereo (PS), standardized as the High-Efficiency v2 profile in MPEG-4 (HE AAC v2).

CELT Codec, Blackfin

The Constrained Energy Lapped Transform (CELT) coder/decoder library for the Blackfin processor implements the CELT audio codec, which is one of the components of the Opus codec.

RTMPE Decoder, Blackfin

The Dual Tone Multi Frequency (DTMF) Decoder library for the Blackfin processor implements a Dual Tone Multi Frequency (DTMF) Decoder, which is compliant with the Q.24 ITU specification.

Audio Mixer, Blackfin

The Audio Mixer library for the Blackfin processor can mix N number of input channels to M output channels and can be used directly for VoIP applications.

Video Content Analysis Toolbox, Blackfin

The Video Content Analysis Toolbox (VCAT) library for the Blackfin processor implements a set of video analytics tools to be used in video surveillance for detection of events, such as intrusion detection, left/removed object detection.

GIF Decoder, Blackfin

The GIF (graphics interchange format) Decoder library for the Blackfin processor supports handling of data in GIF file format with data movement support, configurable to use either cache mode or MDMA.

Comms

Adaptive Jitter Buffer

MPEG-4 SP/ASP Decoder, Blackfin

The ADI MPEG-4 SP/ASP Decoder library for the Blackfin processor implements an MPEG-4 video decoder, which is compliant with the INTERNATIONAL STANDARD ISO/IEC14496-2, Information technology — Coding of audio-visual objects — Part 2: Visual, Third edition 2004-06-01.

Related Hardware

Emulator Hardware

EMULATOR-USB & HP USB ICE

USB-Based Emulator and High Performance USB-Based Emulator

Discussions

[Hardware Tools Support Community](#)

Buy

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	Price	RoHS

Model	Description	Price	RoHS
ADZS-BF533-EZLITE Production	Evaluation Board		Yes
ADZS-BF537-EZLITE Production	Evaluation Board		Yes
ADZS-BF561-EZLITE Production	Evaluation Board		Yes
ADZS-USBLAN-EZEEXT Production	Evaluation Board		Yes

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Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.

15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

Ahead of What's Possible

Analog Devices is a global leader in the design and manufacturing of analog, mixed signal, and DSP integrated circuits to help solve the toughest engineering challenges.

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