



Embest - EMLINK-BH - Emlink USB to JTAG Emulator Module

Product Overview:

Emlink ICE for Blackfin is a new-generation high-speed real time JTAG adapter, debugs the Blackfin DSP processors through ADI VisualDSP++ IDE. Emlink connects the JTAG interface from target board (Blackfin processors) to PC USB port, supports source level debugging and Flash programming. Emlink allows you to:

- Download programs to memory
- Examine memory and registers
- Single-step execute in the source level
- Insert multiple breakpoints
- Run programs in real-time
- Program into on-board Flash



Kit Contents:

Emlink ICE for Blackfin has:

- Emlink ICE for Blackfin
- JTAG20-14-8 Convert Module
- IDC14 Cable
- CDROM

Key Features:

- Compatible with ADI VisualDSP++™ 4.0, 4.5, 5.0 IDE
- Support ADI Blackfin DSP processors: BF531, BF532, BF533, BF534, BF536, BF537 etc
- Supports to debug operation, Halt, Step, Run, Breakpoint
- Support USB 2.0 protocol (compatible with USB 1.1)
- Mini and smart size: 45x32x12mm, weight only 60g
- Power supply via USB port, without power adapter
- JTAG port (20pins, FH2.54mm) for connecting target board
- Downloading and debugging speed up to 200KBytes/s (1.5Mbps)

- Supports to program on-board Flash memory

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
EMLINK-BH	Embest	NA	63R5722

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
ADSP-BF531SBSTZ400	ADI	16Bit DSP Blackfin	1162657	59K2886
ADSP-BF532SBBCZ400	ADI	16Bit DSP Blackfin	1162658	NA
ADSP-BF534BBCZ-4B	ADI	16Bit DSP Blackfin	1439072	NA
ADSP-BF536BBCZ-3A	ADI	16Bit DSP Blackfin	1439075	28M3882
ADSP-BF537BBCZ-5A	ADI	16Bit DSP Blackfin	1438798	21M6774

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
ADZS-BF533-MMSKIT	Embest	ADSP-BF533 Starter Kit	ADSP-BF533	1642826	28M3962
ADZS-BF537-EZLITE	Embest	ADSP-BF537 Evaluation Board	ADSP-BF537	1248346	21M6778

Document List:

Datasheets:

Part Number	Description	Size
ADSP-BF531/2/3	16Bit DSP Blackfin	1.76MB
ADSP-BF534/5/6/7	16Bit DSP Blackfin	1.39MB

Application Notes:

File Name	Size
Estimating Power for ADSP-BF534/BF536/BF537 Blackfin Processors	236KB
Using Cache Memory on Blackfin Processors	1.59MB
System Optimization Techniques for Blackfin Processors	146KB
Implementing FAT32 File Systems on ADSP-BF533 Blackfin Processors	320KB
ADSP-BF537 Blackfin Highlights for ADSP-BF533 Users	89KB