

Blackhawk™ LAN560 JTAG Emulator for TI DSPs

TI DSP platforms: TMS320C6000™, TMS320C5000™,
TMS320C2000™, OMAP™, DaVinci™

Compatible Operating Systems: Windows® 2000, XP and Vista

The LAN560 JTAG Emulator from Blackhawk, is the first fully integrated Ethernet and USB XDS560-class product for debugging TI DSPs over TCP/IP networks. The LAN560 supports all of the advanced capabilities of Texas Instruments latest DSPs. These capabilities include high-speed Real-Time Data Exchange, HS-RTDX™, lightning speed downloads and Advanced Event Triggering to quickly find and fix real-time software problems. Connections are made through its auto-sensing 10/100 Mbps RJ45 connector that attaches directly to any hub, switch, or wireless access point on the network. Using an internal TCP/IP stack, the LAN560 eliminates the need and expense for another computer, making it portable and cost effective. Network configuration of the LAN560 is simple via its onboard USB port. A supplied configuration program allows you to change the emulator's default TCP/IP address, network mask and gateway to match your network.

The compact emulator pod uses a variable TCK (timing clock) up to 50 MHz and supports voltages from 5v down to 0.5v. The LAN560 has both USB and Ethernet ports, allowing the flexibility to debug using either connection. Software compatible with all versions of Code Composer Studio™ (CCStudio) integrated development environment (IDE) v2.2 and later. Drivers are provided for Windows® 2000, XP and Vista. Additionally, 64-bit drivers are available for XP Pro x64 and Vista x64. All driver updates are available for download free-of-charge from our website.

The Blackhawk LAN560 JTAG Emulator supports TMS320™, TMS470 (ARM®) and OMAP™ families including the DaVinci™ platform. The LAN560 JTAG Emulator is also compatible with the Code Composer Studio Flash-burner utility.

Blackhawk JTAG Emulators are available from a world wide network of industry resellers.

ABOUT BLACKHAWK

Blackhawk™ is the first to introduce a USB JTAG Emulator for Texas Instruments DSPs and is a member of the Texas Instruments Third Party Network. Blackhawk™ is a business unit of EWA/EWA Technologies, Inc. with headquarters in Herndon, Virginia. Founded in 1977, EWA, Inc., is a broad-based technology company with 1,000 employees located in corporate offices and on-site throughout the U.S., Canada, and Australia providing professional services and specialized products to both U.S. and foreign customers. Committed to quality and customer support, EWA prides itself on overcoming technological challenges, delivering on-time for its customers, and providing continuing service.



Features

- 10/100 Mbps Ethernet LAN Interface
- High-speed RTDX™ support with data rates of over 2 MB/sec
- Compact pod with power and status indicator LED's
- High-speed USB 2.0 (480 Mbits/sec) port
- Flexible 12 inch high-speed micro coax JTAG cable with a 20-pin cTI (Compact TI) header
- Auto-sensing low I/O voltage support down to 0.5v
- Real-time, non-intrusive Advanced Event Triggering capability
- Windows® Plug n' Play Installation
- Up to 100 times faster than XDS510 emulators
- Full Code Composer Studio IDE compatibility for versions 2.2 and later
- Host interface via USB or Ethernet (RJ45)
- TCP/IP configuration for IP, mask and gateway

System Requirements

- PC running Windows® 2000, XP or Vista
- Code Composer Studio™ IDE v2.2 or later
- Free USB 1.1 or 2.0 port for configuration
- CD-ROM drive for driver installation
- RJ45 connection for LAN operation

Application Areas

Audio, Automotive, Broadband Solutions, Digital Controls, Imaging & Video, Military, Optical Networking, Telephony, Wireless Communications.

Part Number BH-LAN-560

Blackhawk Emulators

123 Gaither Drive • Mt. Laurel, NJ 08054 • 877-983-4514 • www.blackhawk-dsp.com



© 2007 EWA Technologies, Inc. 1/2007

Blackhawk is a registered trademark of EWA Technologies, Inc. Other product names used herein are trademarks of their respective companies.