Blackhawk™ XDS560™
Trace System for TI DSPs

TI DSP platforms: TMS320C6645x™, TMS320C64x™, TMS320C641x™, TMS320DM64x™

Compatible Operating Systems: Windows® 2000, XP and Vista

The Blackhawk XDS560™ Trace System is a non-intrusive, hardware-based trace tool offering advanced visibility and capabilities for debugging the specialized problems that arise in high-performance, real-time embedded applications, and for fine-tuning code performance and cache optimization. Real-time visibility and a high-speed interface provide developers with the detailed information they require to determine where and why complex, intermittent problems occur.

The XDS560 Trace uses a circular buffer to build a complete history of application execution with a non-intrusive, real-time data capture. Integrated timestamping, and the ability to correlate data values to the processor's Program Counter, enables a developer to step backwards through time to reconstruct errors.

With the ability to non-intrusively capture every cycle count for every line of code, fine tuning code performance and cache optimization of complex, switch intensive multi-channel applications is now possible.

The XDS560 Trace System may be ordered alone or bundled with a Blackhawk XDS560-class JTAG emulator. Windows® 2000, XP and Vista drivers are provided and are available for download free-of-charge from our website.

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

3rd Generation Technology

Features

- Non-intrusive high-speed data trace
- Single, independently clocked input channel
- Independently de-skew data pins on channel initialization
- Up to 167 MHz dual edge data rate (i.e. 333 MHz)
- Available with USB, USB+LAN or PCI interface
- Fully integrated with CCStudio Advanced Event Triggering (AET)
- Real-time code and event profiling
- Customizable output Trace Display for post analysis

System Requirements

- PC running Windows® 2000, XP or Vista
- Code Composer Studio IDE v3.3 or later
- Free USB 1.1 or 2.0 port or PCI slot
- CD-ROM drive for driver installation
- Target Board with 60-pin JTAG connector

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.

Part Numbers:
Below are bundled with JTAG Emulator
BH-USB-560T — USB Only with USB560M
BH-LAN-560T — LAN + USB with LAN560
BH-PCI-560T — PCI Only with PCI560

BH-CBL-XDS560T—Trace Cable Only

Blackhawk Emulators

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

Blackhawk *Powering DSP Development*

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