

# Blackhawk™ USB560 JTAG Emulator for TI DSPs

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

Compatible Operating Systems: Windows® 2000, XP and Vista

The Blackhawk USB560 (Rev. E) is the third generation of the most widely used USB XDS560-class emulator, first introduced by Blackhawk in 2002. The USB560 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.

The compact emulator pod features a variable TCK (timing clock) up to 50 MHz and supports voltages from 5v down to 0.5v to support TI low-voltage device roadmap. 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 USB560 JTAG Emulator supports TMS320, TMS470 (ARM®) and OMAP™ families including the DaVinci™ platform. The USB560 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

- High-speed RTDX™ support with data rates of over 2 MB/sec
- Compact pod with power and USB status indicator LED's
- High-speed USB 2.0 (480 Mbits/sec) port
- Flexible 12 inch high-speed micro coax JTAG cable with 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
- **Remote Software Available (\$495)**

## 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 (2.0 recommended)
- CD-ROM drive for driver installation

## Application Areas

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

## Part Number BH-USB-560M

# Blackhawk Emulators

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