

# BLACKHAWK Emulation Tools for TI DSPs



## ADVANCED JTAG EMULATORS

Blackhawk™ is a leader in the design of DSP hardware and software Development tools. The first to develop a USB to JTAG emulator for Texas Instruments XDS510 class devices and next generation with the Blackhawk USB560 JTAG Emulator.

### Features for USB2000:

- Super low-cost XDS510™-class controller
- Plug n' Play USB host interface
- Supports TI c2000 Digital Signal Processors: F283x, F281x, F280x, F280xx, LF240x
- 3.3/5.0 volt device I/O support
- Bi-color status LED (red/green)
- Code composer studio v3.3 support
- Blackhawk FlashBurn utility add-on
- Optional isolation adapter available

### Features for USB510:

- Ultra compact designed pod with status LED
- High-speed USB 2.0 (480 Mbits/sec) port
- Bus powered, no external power required
- Windows® Plug n' Play installation
- Auto-sensing low I/O voltage support
- High-speed micro coax cable assembly
- Free technical support and web downloads
- Standard 14-pin JTAG Header Connector
- Affordable price

### Features for USB560:

- High-speed RTDX™ support with data rates of over 2MB/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

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-USB-2000</a>	BH-USB-2000	A	USB2000 Controller	298.73
<a href="#">716-BH-USB-510L</a>	BH-USB-510L	B	USB510L Emulator	994.93
<a href="#">716-BH-PCI-560</a>	BH-PCI-560	C	PCI560 Emulator	2750.00
<a href="#">716-BH-USB-560BP</a>	BH-USB-560BP	D	USB560BP Emulator	2974.68
<a href="#">716-BH-USB-560M</a>	BH-USB-560M	E	USB560M Emulator	2998.73
<a href="#">716-BH-LAN-560</a>	BH-LAN-560	F	LAN560 Emulator	3495.00

## USB510 JTAG EMULATOR FOR TI DSP'S

The Blackhawk™ USB510 JTAG Emulator is the latest addition to our high-performance JTAG Emulator lineup for Texas Instruments TMS320, TMS470 (ARM) and OMAP families. The credit card sized USB510 JTAG Emulator is the most compact and lightweight JTAG emulator available.

### Features:

- Ultra compact designed pod with status LED
- High-speed USB 2.0 (480 Mbits/sec) port
- Bus powered, no external power required
- Windows® Plug n' Play Installation
- Auto-sensing low I/O voltage support
- Windows® 98, ME, 2000, XP Drivers
- High-speed micro coax cable assembly
- Free technical support and web downloads
- Standard 14-pin JTAG Header Connector



MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-XDS-560V2-BP</a>	BH-XDS-560V2-BP	G	XDS560v2 Bus-Powered	1500.00
<a href="#">716-BH-XDS-560V2</a>	BH-XDS-560v2	G	XDS560v2 PoE Model	1600.00
<a href="#">716-BH-POE-KIT-1</a>	BH-POE-KIT-1	G	Power Supply PoE Kit	100.00
<a href="#">716-BH-CBL-560</a>	BH-CBL-560	G	XDS560 Cable Rev D	1495.00
<a href="#">716-BH-EMU-JACK</a>	BH-EMU-JACK	G	OMAP JTAG Adapter	149.00

## EMULATION ADAPTERS

### Isolation Adapter

The Blackhawk Isolation Adapter is a device that connects between your JTAG Emulator and the JTAG connector on your target board. The adapter is designed to minimize and protect connected devices (PC/Emulator/Target) from ground loop voltage, harsh environments and new, untested designs.

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-ADP-ISO-14</a>	BH-ADP-ISO-14	--	BH Isolation Adapter 14-pin	298.73

### Pin Converters

Blackhawk provides several different emulation adapters to fit Texas Instruments standard JTAG target headers. Below is a list of emulation adapters currently available from Blackhawk or an authorized Blackhawk Reseller.

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-20ECTI-14TTI</a>	BH-20e_cTI-14t_TI	H	Adapter Pin Converter	100.00
<a href="#">716-BH-14ETI-60TTI</a>	BH-14e_TI-60t_TI	I	Adapter Pin Converter	150.00
<a href="#">716-BH-14ETI-20TCTI</a>	BH-14e_TI-20t_cTI	J	Adapter Pin Converter	100.00

