

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 (480Mbits/sec)
- 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 (480Mbits/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
716-BH-USB-2000	BH-USB-2000	A	USB2000 Controller	298.99
716-BH-USB-510L	BH-USB-510L	B	USB510L Emulator	994.99
716-BH-USB-560BP	BH-USB-560BP	C	USB560BP Emulator	2974.68
716-BH-USB-560M	BH-USB-560M	D	USB560M Emulator	2998.73
716-BH-LAN-560	BH-LAN-560	E	LAN560 Emulator	3495.00

USB510 JTAG EMULATOR FOR TI DSP'S

Blackhawk has a broad range of emulator models that span the full spectrum of capabilities and price. From the entry level XDS100v2 and affordable USB2000 Controller to the most advanced XDS560v2 System Trace. All Blackhawk Emulators are backed by solid support and continual software updates to ensure compatibility with the latest Texas Instruments Devices and Platforms.



MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
716-BH-XDS-560v2-BP	BH-XDS-560v2-BP	F	XDS560v2 Bus-Powered	1500.00
716-BH-XDS-560v2	BH-XDS-560v2	F	XDS560v2 PoE Model	1600.00
716-BH-POE-KIT-1	BH-POE-KIT-1	F	Power Supply PoE Kit	100.00
716-BH-USB-100v2-ARM	BH-USB-100v2-ARM	G	TI XDS100v2-compatible emulator	99.00
716-BH-USB-510W	BH-USB-510W	H	Wireless TI TMS320-compatible emulator	1500.00
716-BH-USB-560v2	BH-USB-560v2	I	XDS560v2 System Trace Emulator	1000.00

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
716-BH-ADP-ISO-14	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
716-BH-20ECTI-14TTI	BH-20e_cTI-14t_TI	J	Adapter Pin Converter	100.00
716-BH-14ETI-60TTI	BH-14e_TI-60t_TI	K	Adapter Pin Converter	150.00
716-BH-14ETI-20CTI	BH-14e_TI-20t_cTI	L	Adapter Pin Converter	100.00
716-BHADPMIPi60BUF	BH-ADP-MIPi60-BUFBRD	-	XDS560v2 Buffer Adapter Board	139.00
716-BHADPMIPi6014TI	BH-ADP-MIPi60e-14t_TI	-	MIPI 60/14P TI JTAG Adapter	100.00
716-BHADPMIPi6020cTI	BH-ADP-MIPi60e-20t_cTI	-	MIPI 60/20P cTI Adapter	100.00
716-BHADPMIPi6020ARM	BH-ADP-MIPi60e-20t_ARM	-	MIPI 60/20P ARM JTAG Adapter	100.00

