

What's Included

- USB100v2 Emulator
(with 5 inch, 20-pin cTI JTAG Ribbon Cable)
- 20-pin cTI to 14-pin TI JTAG Pin Converter
- USB Cable
- Quick Start Guide
- Warranty and Product Registration Information



Blackhawk USB100v2

JTAG Emulator for Entry-level Debugging at Ultra Low Cost

Features

- High-speed USB 2.0 Host Interface
- Native 2x10 20-pin compact cTI header
- 1.8/3.3 volt device I/O support
- Includes 2x7 14-pin JTAG adapter
- Compatible with Code Composer Studio v3.3 and later
- Power Status LED
- Driver support for Windows® and Linux
- Support for "JTAG reset"/"wait-in-reset" boot-modes using the two EMU pins sampled by the nTRST pin.
- Support for "Power-on reset" boot-modes using the two EMU pins sampled by the TVD pin.
- Debug features: Emulation Connect/Disconnect, Read/Write memory, Read registers, Load program, Run, Halt, Step, Software and Hardware Breakpoint support, Real-Time Mode

Supported Texas Instruments Devices¹

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|---------------|------------------|
| • TMS320C28x | • ARM Cortex A8 |
| • TMS320C54x | • ARM Cortex A9 |
| • TMS320C55x | • ARM Cortex A15 |
| • TMS320C674x | • ARM Cortex R4 |
| • TMS320C64x+ | • ARM Cortex R5 |
| • TMS320C66x | • ARM Cortex M3 |
| • ARM9 | • And More |

The **Blackhawk USB100v2 JTAG controller** is a very low-cost controller for basic debugging of Texas Instruments DSPs. Requiring no external power source, the USB100v2 can support most of the basic features of higher priced emulators and requires no additional drivers when installed using CCS v4 or later.

The USB100v2 is a TI XDS100v2-compatible emulator fully supported under CCS v4 and future Texas Instruments roadmap software development environments. Blackhawk's USB100v2 provides additional features and performance not found in other XDS100v1 emulators. The USB100v2 provides for faster code downloads and assembly code stepping in that the USB100v2 uses a high-speed USB2.0 (480 Mb/s) port instead of slower USB1.x (12 Mb/s) implementations.

Measuring just 1.6"L x 0.80"W x 0.65"H (4.6cm x 2.0cm x 1.5cm), not including the 5 inch cable, the Blackhawk USB100v2 is the smallest and most compact emulation product from a US manufacturer and is fully assembled and tested in the USA.

Blackhawk Advanced JTAG Emulators are available from a worldwide network of industry resellers and distributors.

Ordering Information

Blackhawk Part Number - BH-USB-100v2D

For more information, or to order this product online, please visit our website at www.blackhawk-dsp.com



¹ Support for certain devices may require a newer versions of CCS - check the CCS release notes for details.

Learn More: For more information about Blackhawk products, please visit www.blackhawk-dsp.com