

Blackhawk™ USB100v2 XDS100 Controller for TI Embedded Processors

Supported devices: TMS320C28x, TMS320C54x,
TMS320C55x, TMS320C64x+, TMS320C674x and ARM® families.

Compatible Operating Systems: Windows® 2000, XP, Vista, 7

The Blackhawk™ USB100v2 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 controllers and requires no additional drivers when installed using CCS v4 or later.

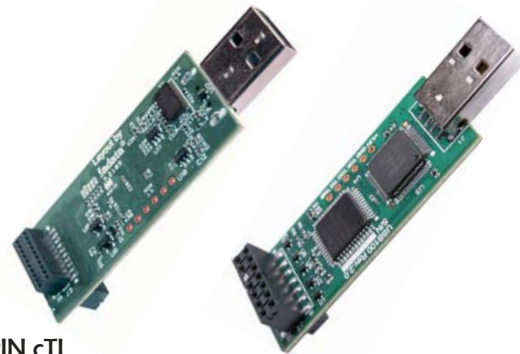
The USB100v2 is a TI XDS100v2-compatible controller fully supported under CCS v4 and future Texas Instruments roadmap software development environments. Blackhawk's USB100v2 provides additional features and performance not found in other XDS100v1 controllers. The USB100v2 provides for faster code downloads 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 2.75"L x 0.80"W x 0.65"H (7.0cm x 2.0cm x 1.5cm) the Blackhawk USB100v2 is the smallest and most compact emulation product from a US manufacturer and is fully assembled and tested in the USA. It will support 1.8-3.3v targets with standard TI 14-pin connections and also supports the Texas Instruments compact 20-pin emulation header (cTI).

Additionally, with an optional 20cTI to 20ARM connector (available from Blackhawk), the USB100v2 can connect to 20-pin ARM Multi-Ice platforms. Blackhawk JTAG Emulators and Controllers are available from a world wide network of industry resellers.

ABOUT BLACKHAWK

EWA Technologies, Inc. is a major global player in the application of the IEEE 1149.x standards (known as boundary-scan or JTAG) to state-of-the-art products that will support the design, prototyping and production of the next generation of complex technology products. EWA Technologies consists of two operating units: the Blackhawk™ division in Mount Laurel, NJ, and Corelis, Inc. in Cerritos, CA. The Blackhawk™ division is a leader in providing hardware and software for the rapid development of digital signal processor-based (DSP) applications for a wide variety of vertical markets. Blackhawk™ is a Texas Instruments® (TI) DSP Third Party provider for development hardware, advanced JTAG controllers, Real-Time Operating Systems, design services and consulting.



20-PIN cTI

14-PIN standard

Features

- Very low cost XDS100™-class Controller.
- High-Speed USB 2.0 (480Mb/s) Host Interface.
- Supported Devices:
 - TMS320C28x High Performance 32-bit controllers
 - TMS320C54x Power-Efficient DSPs
 - TMS320C55x Fixed-point DSPs
 - TMS320C674x High Performance DSPs
 - TMS320C64x+ High Performance DSPs
 - ARM 9
 - ARM Cortex M3 (not including Stellaris Cortex M3)
 - ARM Cortex R4
 - ARM Cortex A8
- 1.8/3.3 volt device I/O support.
- Standard 2x7 and 2x10 cTI JTAG header.
- Optional ARM Multi-Ice pin converter available.
- Online Support from TI -
 - www.tiexpressdsp.com/index.php/XDS100

System Requirements

- PC running Windows® 2000, XP, Vista, 7
- USB port either 1.x or 2.0 (preferred)
- CCS v4.x or higher

What's Included

- USB100v2 JTAG Controller
- 6 foot USB Cable
- Quick Start Guide

Part Number: BH-USB-100v2

Blackhawk Emulators

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