Blackhawk™ USB100v2-ARM

XDS100v2 Controller for TI Embedded Processors

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

Compatible Operating Systems: Windows® XP/Vista/7 & Linux

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

As an added bonus, Texas Instruments offers Code Composer Studio v4/v5 FREE for use with the USB100v2-ARM.

The USB100v2-ARM is a TI XDS100v2-compatible controller fully supported under CCS v4/v5 and future Texas Instruments roadmap software development environments.

The USB100v2-ARM provides for faster code downloads and assembly code stepping in that the USB100v2-ARM uses a high-speed USB2.0 (480 Mb/s) port instead of slower USB1.x (12 Mb/s) implementations.
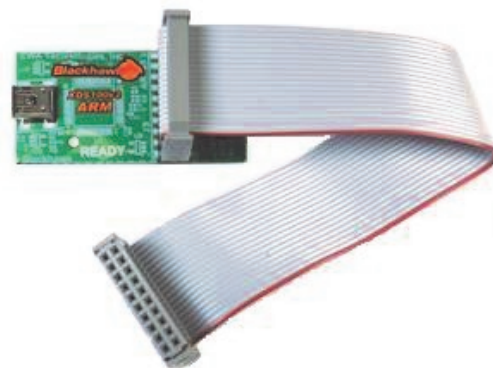
The USB100v2-ARM ships with two JTAG ribbon cables; one for 20-pin ARM MULTI-ICE formats (0.100" x0.100" spacing) and another for 10-pin ARM orientation (0.050" x 0.050" spacing).

This controller supports all of the devices supported by the TI XDS100v2 reference design, but is focused on target boards with 10 and 20-pin ARM JTAG connections (i.e. Stellaris and OMAP boards).

Blackhawk JTAG Emulators and Controllers are available from a world wide network of industry resellers.

Features

- High-Speed USB 2.0 (480Mb/s) Host Interface.
- Power Status LED.
- 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 M3/4 (including Stellaris devices)*
  - *ARM Cortex R4*
  - *ARM Cortex A8*
- 1.8/3.3 volt device I/O support.
- Native 2x10 20-pin ARM JTAG Header
- Native 2x5 10-pin ARM JTAG Header
- Online Support from TI -
  - www.tiexpressdsp.com/index.php/XDS100

System Requirements

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

What's Included

- USB100v2-ARM JTAG Controller
- High-Speed USB 2.0 Cable
- 10-pin and 20-pin ARM Ribbon Cables
- Quick Start Guide

Part Number: BH-USB-100v2-ARM

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.

Blackhawk Emulators

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