

# Blackhawk™ USB100 Controller for TI DSPs

Supported devices: TMS320C28x, TMS320C54x,  
TMS320C55x, and TMS320C674x families.

Compatible Operating Systems: Windows® 2000, XP and Vista

The Blackhawk™ USB100 (v1.0) is a very low-cost controller for basic debugging of Texas Instruments DSPs. Requiring no external power source, the USB100 can support most of the basic features of higher priced emulators and requires no additional drivers when installed using CCS v3.3 SR12 and CCS v3.3 for C2000 DSK Version (version 3.3.81.28 or newer). The USB100 is also fully supported under CCS v4 Beta and future Texas Instruments roadmap software development environments. Blackhawk's USB100 provides additional features and performance not found in other XDS100 emulators. The USB100 provides for faster code downloads and assembly code stepping in that the USB100 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 USB100 is the smallest and most compact emulation product from a US manufacturer and is fully assembled and tested in the USA.

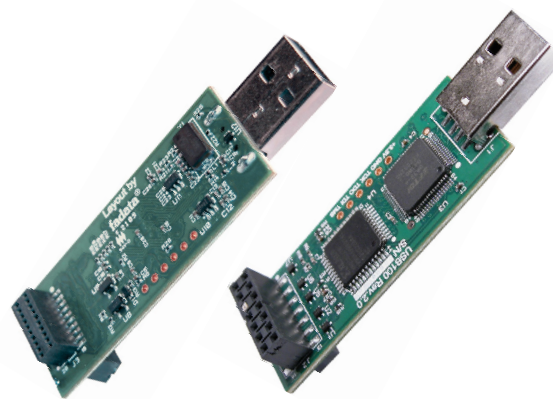
It will support 1.8-3.3v targets with standard TI 14-pin connections and also supports the Texas Instruments compact 20-pin emulation header (cTI). Additionally, with an optional 20cTI to 20ARM connector (available from Blackhawk), the USB100 can connect to ARM Multi-Ice platforms.

Blackhawk is the first company to introduce a USB JTAG emulator for Texas Instruments DSP's and provides the widest choice of JTAG emulators for Texas Instruments DSPs.

Blackhawk JTAG Emulators 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 emulators, Real-Time Operating Systems, design services and consulting.



20-PIN cTI

14-PIN standard

## Features

- Very low cost XDS100™-class Controller.
- Plug n' Play 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
- 1.8/3.3 volt device I/O support.
- Standard 2x7 and cTI JTAG header.
- Code Composer Studio v3.3 and v4 support.
- Optional ARM Multi-Ice pin converter available.
- Online Support from TI -
  - [www.tiexpressdsp.com/index.php/XDS100](http://www.tiexpressdsp.com/index.php/XDS100)

## System Requirements

- PC running Windows® 2000, XP or Vista
- Either 1.x or 2.0(preferred) USB port
- CCS v3.3 SR12 or higher

## What's Included

- USB100 JTAG Emulator
- 6 foot USB Cable
- Quick Start Guide

Part Number: BH-USB-100

# Blackhawk Emulators

123 Gaither Drive • Mt. Laurel, NJ 08054 • 877-983-4514 • [www.blackhawk-dsp.com](http://www.blackhawk-dsp.com)

