

## Blackhawk™ USB200

# XDS200 JTAG Emulator for TI Embedded Processors

Supported devices: Stellaris, C2000, Hercules, Sitara, C66xx, C64x+, C674x, C55xx, C54xx, DaVinci and OMAP

Compatible Operating Systems: Windows® XP/Vista/7/8 & Linux

The Blackhawk™ USB200 JTAG Emulator (USB200) is a TI XDS200-class emulator that is small, lightweight and portable. The USB200 product is compatible with the TI XDS2xx reference design and include (2) visible status LEDs.

The USB200 offers an excellent balance of performance and price placing it in between the super low cost XDS100 and high performance XDS560 class emulators. The USB200 is compatible with Code Composer Studio IDE (CCS) v5.2.0 with the latest TI emulation update applied. For CCS v3.3 emulator solutions, please contact Blackhawk Support.

The controller supports the compact TI 20-pin JTAG header and voltage ranges from 1.5 to 4.1v (i.e. 1.8v and 3.3v targets). The USB host port permits communications with the host PC and two LEDs give operational status.

The USB200 supports the TI UniFlash™ programming utility and CCS DSS Java Scripting along with the Blackhawk Flashburn utility.

Blackhawk also has available an optional Isolation Adapter which protects from ground loop voltage, harsh environments and new, untested designs. Supports 3.3-5.0v targets with TI 14-pin and cTI 20-pin connections.

The TI XDS200 reference design does not support older device families, such as C24x, C62xx, C670x, C671x, C672x, C641x.

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.



## Features

- High-Speed USB 2.0 (480Mb/s) Host Interface
- Status LED (2)
- Supported Device Families:  
*Stellaris, C2000, Hercules, Sitara, C66xx, C64x+, C674x, C55xx, C54xx, DaVinci, OMAP*
- 1.8/3.3 volt device I/O support.
- Native 2x10 20-pin cTI JTAG Header
- Other JTAG Connections supported via included pin converters (3):  
*2x7, 14-pin TI*  
*2x10, 20-pin ARM (Multi-ICE)*  
*2x5, 10-pin ARM*
- Online Support from TI:

<http://processors.wiki.ti.com/index.php/XDS200>

## System Requirements

- PC running Windows® XP, Vista, 7, 8 or Linux
- USB port either 1.x or 2.0 (preferred)
- CCS v5.2 or higher

## What's Included

- USB200 JTAG Emulator
- High-Speed USB 2.0 Cable
- (3) pin converters (TI 14 pin, ARM 20 and 10 pin)
- Quick Start Guide

**Part Number: BH-USB-200**

**SKU: 12208**

# Blackhawk Emulators

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