Blackhawk™ USB510L
Emulator for TI DSPs

TI DSP platforms: C6000™, C5000™, C2000™, OMAP™, TMS470(ARM®) and DAVINCI™

Compatible Operating Systems: Windows® 2000, XP and Vista

3rd Generation Technology

The Blackhawk™ **USB510L** JTAG Emulator is a very affordable and full-featured addition to our product lineup for Texas Instruments TMS320, TMS470 (ARM), DaVinci and OMAP families.

Portability of the **USB510L** is enhanced due to the very compact pod and because no external power is required except for a USB connection. This makes the new emulator very well suited for travel and use with notebook computers. Many of the older and less-sophisticated parallel port and PCMCIA emulators cannot be used on modern laptops and the **USB510L** is a faster, easier and cost-effective replacement.

Blackhawk is the first company to introduce a USB JTAG emulator for Texas Instruments DSP's and the new **USB510L** raises the standard for portability, reliability and ease of installation.

Two optional add-ons to the **USB510L** are the Blackhawk FlashBurn utility and Blackhawk Isolation Adapter.

BHFlashBurn is a scriptable utility that follows the freely available Texas Instruments API and algorithms for programming DSPs with on-chip flash.

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

The **USB510L** JTAG Emulator is also compatible with Code Composer Studio™ Flash-burner utility.

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.

Features

- Affordable XDS510™-class Controller.
- Plug n' Play USB Host Interface.
- Supports TI TMS320™ Digital Signal Processors:
  - C2000™ High Performance 32-bit controllers
  - C5000™ Power-Efficient DSPs
  - C6000™ Floating-point DSPs
  - C6000™ High Performance DSPs
  - DaVinci™ Digital Media Processors
  - TMS470 (ARM®)
  - OMAP™
- 3.3/5.0 volt device I/O support.
- Bi-Color Status LED (red/green).
- Code Composer Studio v3.3 support.
- Blackhawk FlashBurn utility add-on.

System Requirements

- PC running Windows® 2000, XP or Vista
- 15 MB of free hard disk space
- 2.0 GHz or faster Pentium or compatible
- USB port
- Local CD-ROM drive for installation
- 512 MB RAM

Part Number: BH-USB-510L

Blackhawk Emulators

Blackhawk
Powering DSP Development