

## **FOR IMMEDIATE RELEASE**

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### **Blackhawk™ redefines low-cost JTAG emulation with \$99 entry-level controller**

Mount Laurel, N.J. -- (July 27, 2009) - Blackhawk™, a leading maker of digital signal processor (DSP) hardware and software development tools, today announced a new low-cost entry level JTAG controller for use with Texas Instruments Incorporated's (TI) DSPs and microcontrollers (MCUs) and Code Composer Studio™ (CCStudio) integrated development environment (IDE). The USB100, an XDS100-class controller, is compatible with several of TI's processors including the 32-bit TMS320C28x™ MCUs as well as the TMS320C54x™, TMS320C55x™ and TMS320C674x DSPs.

The USB100 is the first XDS100-class emulator to offer a high-speed (480Mb/s) USB host interface supplying the user with more than five times the performance boost during debug operations compared to full-speed products. Additional features include 1.8/3.3 volt device I/O support, dual target connections (standard 2x7 TI and 2x10 cTI JTAG headers) and CCStudio v3.3 and v4 support.

Designed to be a low-cost alternative to the more expensive XDS510-class emulators, Blackhawk's implementation of the TI XDS100-class with the USB100 exceeds the features and performance of other similarly priced products. The Blackhawk USB100 has two big advantages in that it uses a high-speed USB 2.0 port and includes both 14-pin and 20-pin JTAG header connections. This means that the USB100 will out-perform the slower USB 1.x devices and also eliminates the need to buy an adapter to interface to 20-pin cTI (compact TI) target hardware.

"Blackhawk consistently delivers high-quality and low-cost solutions that enable our customers to easily take advantage of the flexibility and performance of TI embedded processors," said Stephen Lau, emulation product manager, TI. "Now developers will be able to reduce their development tool investments enabling them to cost-justify new projects."

Blackhawk has extensive experience with TI JTAG emulation since introducing the first USB Emulator for TI DSPs in 2001. Blackhawk JTAG Emulators cover the full-spectrum of emulation needs from a low-cost TMS320C2000™ MCU all the way up to the XDS560 Trace System. The USB100, as with all other Blackhawk products, is

completely assembled and tested in the U.S. In addition, technical support and driver updates are free of charge and readily available from <http://www.blackhawk-dsp.com/support>.

### **Pricing and Availability**

The \$99 (MSP) Blackhawk USB100 Emulator will be available for immediate delivery August 1st in the U.S. and Canada through Corelis Ceritos, CA and Ultimate Solutions (USI), based in Tewksbury, Mass., and a worldwide network of industry resellers. Please visit [www.blackhawk-dsp.com/resellers.aspx](http://www.blackhawk-dsp.com/resellers.aspx) for a complete list.

### **About the Texas Instruments Developer Network**

Blackhawk is a member of the TI Developer Network, a community of respected, well-established companies offering products and services based on TI analog and digital technology. The Network provides a broad range of end-equipment solutions, embedded software, engineering services and development tools that help customers accelerate innovation to make the world smarter, healthier, safer, greener and more fun. For more information, please visit [www.ti.com/dspdevnetwork](http://www.ti.com/dspdevnetwork).

### **About Blackhawk**

Blackhawk™ is a brand of EWA Technologies, Inc., of Herndon, Virginia, that designs and builds hardware and software for the rapid development of DSP-based applications for a wide variety of vertical markets. Blackhawk™ is a TI DSP Third Party member and the first to develop a USB-based JTAG emulator for TI DSPs. For more information on Blackhawk, please visit <http://www.blackhawk-dsp.com>

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