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CONTACT:

Blackhawk
123 Gaither Drive
Mount Laurel, NJ 08054
(877) 983-4514
www.blackhawk-dsp.com
E-mail: <mailto:sales@blackhawk-dsp.com>

Blackhawk™ USB560 JTAG Emulator Provides More Cost-Effective and Wide-Reaching Support Than Any Other TI XDS560™-Class Emulator

Mount Laurel, N.J. (May 28, 2003) – Blackhawk™, a leader in the design of digital signal processor (DSP) hardware and software development tools, announced today that it has increased software and hardware support for its [USB560 JTAG Emulator](#) (USB560). The increased support comes from the fact that the USB560 can now interface to XDS510™-class drivers extending compatibility to more Texas Instruments (TI) DSP devices and Code Composer Studio™ (CCStudio) versions than any other XDS560™-class emulator, resulting in the most cost effective emulator solution available today. The Blackhawk XDS560™-class emulator supports the faster generation of emulation technology from TI using the popular and portable industry standard, high-speed USB 2.0 interface, which achieves speeds up to 480 megabits per second (Mbps).

The USB560 extends its device and software support outside of CCStudio v2.1 and later. The USB560 can now support TI's earlier CCStudio v1.x releases, as well as Code Composer v4.1x products for VC33 and other TMS320 legacy devices. This makes the decision to move to the latest emulation technology from TI more cost effective because one emulator can now support the latest technology and project designs, while still allowing maintenance of older projects.

“Blackhawk continues to innovate by introducing new, value-added enhancements to its product offerings,” said Brian Nix, president, EWA Technologies, Inc., the parent company of Blackhawk. “Our customers were very concerned about how they could justify the cost to move to the latest emulation technology, and this advancement should make that possible.”

The USB560 extends its capabilities by imitating an XDS510™-class emulator, using the TI XDS510 software drivers provided with Code Composer v4.1x and CCStudio v1.2 and later. This gives users instant access and compatibility to VC33, C20x and C24x devices. If, for one reason or another, any of customer designs cannot be easily updated to the latest silicon or software release, Blackhawk can provide the needed support.

“TI and Blackhawk understand the design cycle and issues involved with updating to new silicon and software revisions,” said Lori Vidra, DSP, host tools product marketing

manager, TI. “Not having to invest in two emulators to support multiple projects, new and old, is a cost-effective way to allow you to move to our new emulation technology and be more productive.”

With these extended capabilities added to the USB560 product, users also get access to the remote Ethernet feature, supported in the [USB 2.0 JTAG Emulator](#) product, using CCStudio v2.0 or later. This feature adds greater flexibility and usefulness for the developer in allowing them to access target hardware across a network and from computers that do not support USB. It adds remote debugging to the list of added features for the USB560. Also, when using the remote Ethernet feature, Windows® NT clients included on the list of supported Windows® 98/ME/2000/XP operating systems.

Today’s advanced DSP development requires the full capabilities of current technologies, such as integrated development environments (IDEs), optimizing compilers for high-level languages, GUIs, debuggers and JTAG emulators. With the sophisticated CCStudio IDE, the plug-and-play simplicity of the Blackhawk™ USB560 JTAG emulator and support for the faster generation of emulation technology from TI, today’s developer now has a powerful, flexible and portable tool for DSP development and support.

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About Texas Instruments Third Party Program

Blackhawk™ is a member of Texas Instruments third party program. The Third Party Program is the most extensive collection of DSP development support in the industry. More than 600 independent companies and consultants provide products including development boards, operating systems, software algorithms, function libraries and systems consulting services around the world. For more information on the TI Third Party Program, please visit www.dspvillage.ti.com/v5.

About Blackhawk

Blackhawk™, a division of EWA Technologies, Inc., of Herndon, Virginia, provides [TALON™](#) software tools and TAILWIND™ hardware for the rapid development of DSP-based applications for a wide variety of vertical markets. Blackhawk™ is a TI DSP total solutions provider for development hardware, Real-Time Operating Systems, bundled toolsets, design services and consulting. For more information on Blackhawk, please visit <http://www.blackhawk-dsp.com/USB560>

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