

Blackhawk™ TALON RTOS for TI DSPs

TI DSP platforms: C6000, C5400, C5500, C3x4x, C2000

The Blackhawk™ TALON™ OS is a POSIX-compliant real time operating system, the perfect software platform for designing and implementing application software for Texas Instruments TM320 digital signal processors (DSP). Talon™ offers unsurpassed power and flexibility, providing the solution for sophisticated high-performance application development.

On the surface you see a well-defined, documented and supported application programming interface (API) across all our supported platforms. But our performance is not compromised by porting from one architecture to another. Each kernel is optimized for each DSP platform to achieve the highest possible performance.

POSIX® is an IEEE Standard for Information Technology - Portable Operating System Interface. This standard has provided a stable framework for both operating system designers and application programmers. While the touch and feel of the standard is UNIX-like, the POSIX interfaces are rigorously defined, therefore ensuring predictable behavior of compliant applications. There are many benefits to using standardized operating system interfaces.

- Well-defined and standardized operating system services provide for design of reliable and robust application software.
- Application compliance to POSIX ensures smooth

Part Numbers

Part No.:	BH-OS-2000	for TI C2000 DSP;
	BH-OS-3x4x	for TI C3x and C4x DSP;
	BH-OS-5400	for TI C54x DSP;
	BH-OS-5500	for TI C55x DSP;



Features

- Royalty Free — Includes full source code
- Optimized for each TI DSP family
- Real-Time Multithreaded pre-emptive kernel
- Host to Target Communication Utilities
- Dynamic Shared Library Allocation
- Three completely configurable File Systems
- Small OS Footprint
- Completely “Thread Safe” run-time libraries

System Requirements

- PC running Windows® 98, ME, 2000, XP
- Code Composer or Code Composer Studio IDE
- CD-ROM drive for software installation

ABOUT BLACKHAWK

Blackhawk™ is the first to introduce a USB JTAG Emulator for Texas Instruments DSPs and is a member of the Texas Instruments Third Party Developer Network. Blackhawk™ is a business unit of EWA/EWA Technologies, Inc. with headquarters in Herndon, Virginia. Founded in 1977, EWA employs more than 1,000 people in eight operating units and associated activities around the world providing a wide range of IT applications to a broad constellation of government and commercial customers, including the US Department of Defense and all military services, national intelligence and law enforcement agencies, NASA, and international defense, security and banking organizations.



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