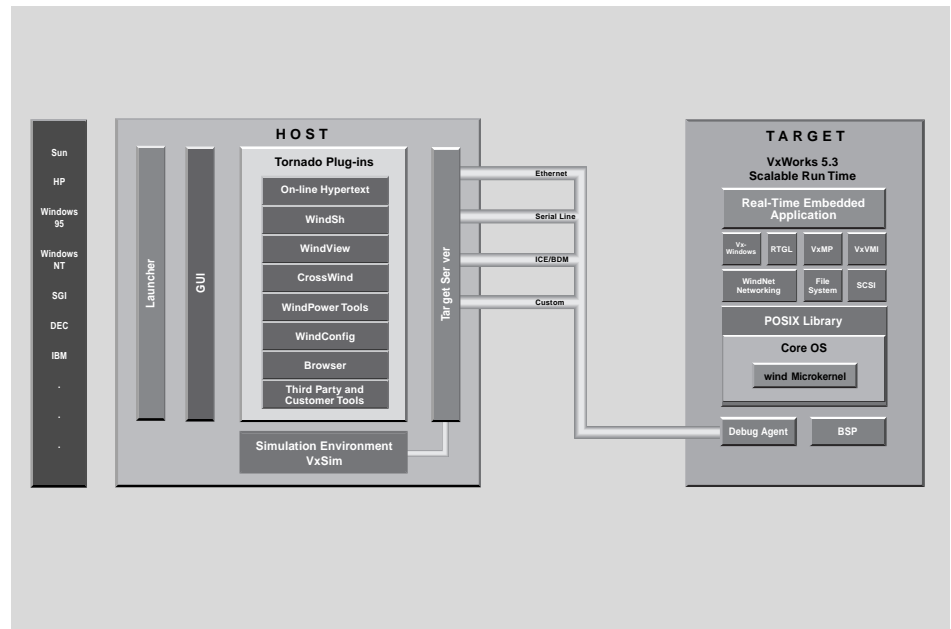# Tornado* Development Environment with VxWorks* Real-Time OS

- Development and Deployment Platform For Embedded Developers
- Makes All Development and Debug Tools Available Regardless of Target Resources or Connection Strategy
- Runs on UNIX Workstations, or PCs Using Microsoft Windows* 95 or Windows NT
- Offers Published APIs For Easy Customization and Third-Party Tool Integration
- Provides Central "Control Panel" and Productivity-Enhancing GUI
- Supports Industry Standards Including ANSI-C, POSIX And TCL
- Includes Proven, High-Performance VxWorks Run-Time
- Scalable Across All Real-Time Implementations
- Optional WindPower Tools For Enhanced Developer Productivity

Available for both UNIX- and Microsoft Windows-based hosts, Tornado* is an open and extensible cross-development environment for embedded applications. Tornado consists of the Tornado tools suite, the VxWorks* RTOS, and a full range of communications options connecting host and target. Tornado is scalable across a wide variety of products. All Tornado tools can be utilized at any stage of application development, with any level of target system resources. All are fully integrated and have sophisticated GUIs. And all are available regardless of target connection strategy (Ethernet, serial, ICE, ROM monitor or custom). The Tornado APIs are published, from the GUI interfaces down to the debug agent interface, to facilitate customization and third-party integration. In addition, developers can take advantage of a variety of productivity-enhancing WindPower* Tools, including the VxSim* simulator, the WindView* system visualizer, and the StethoScope data monitor.

VxWorks features the wind* microkernel providing fast multitasking, preemptive

scheduling (with optional round-robin scheduling for same-priority tasks), and fast interrupt response. The microkernel design allows VxWorks to minimize system overhead and respond quickly to external events. To these features, VxWorks adds intertask communications and synchronization facilities, efficient memory management, multiprocessing support, a fast I/O system, IDE and SCSI support, and MS-DOS and RT-11-compatible file systems.

Tornado networking includes 4.3 BSD UNIX TCP/IP, sockets, NFS, RPC, ftp, rlogin, telnet, and optional support for the X Window System. Tornado-based systems can communicate with each other and with the host environment via network connections over Ethernet, serial lines, or shared memory over a common backplane. A wide range of integrated third-party products is available through Wind River's WindNet* Partners program, including ATM, OSI, SS7, Frame Relay, CORBA, ISDN, X.25, CMIP/GDMO, and distributed network management.

HOST SYSTEMS SUPPORTED:
Popular UNIX Workstations and PC's running Windows 95 or Windows NT

PROCESSORS SUPPORTED:
Intel386™ CX/EX/SX/SXSA/DX, IntelDX2™, IntelDX4™, Intel486™ SX/SXSF/GXSF, and Pentium® Microprocessors

AVAILABILITY:
Now

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