

pSOSystem* Real-Time Operating System



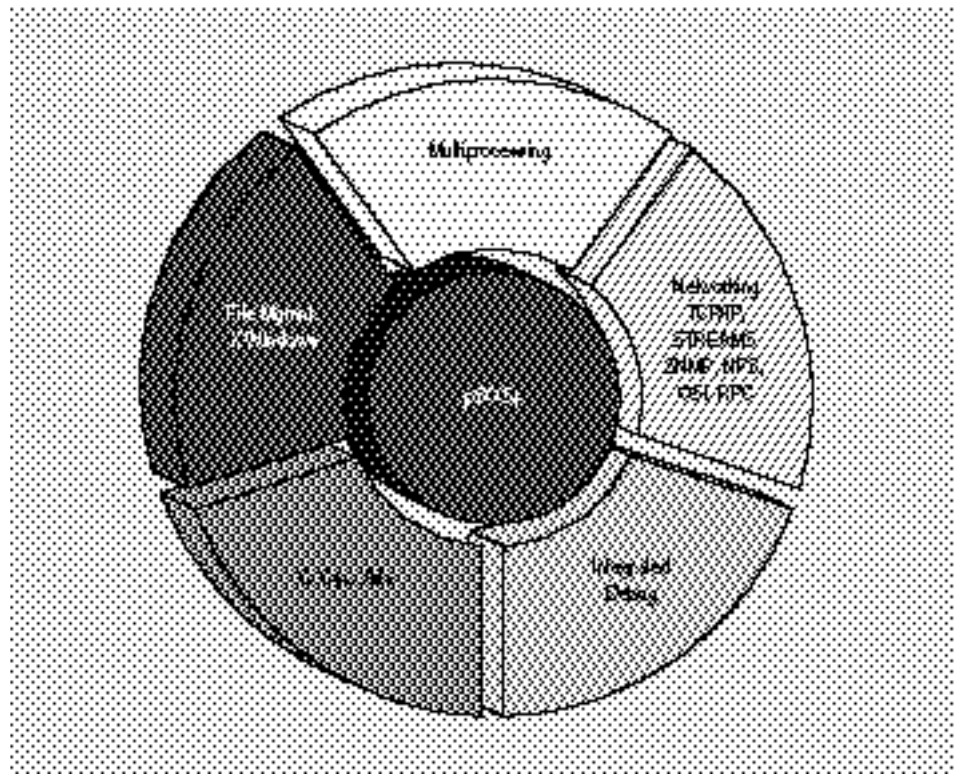
- Scalable O/S Environment For Embedded Applications
- Big or Little Endian Support
- UNIX-Compatible Networking Including TCP/IP, SNMP, NFS, RPCs, PPP, SLIP, RIP
- UNIX and PC-Hosted Cross Development Kits
- Integrated Source-Level and System-Level Debugging
- Easily Configured For Custom Hardware
- Off-the-Shelf Support For i960® Processor Evaluation and VME Boards
- Microtec Compiler Support
- C++ Integrated Development Environment

pSOSystem* is the premier real-time development environment for i960 embedded processor applications. Using pSOSystem, developers can focus on adding value and differentiation to their product at the application software level. pSOSystem consists of a high-performance, scalable run-time system and a comprehensive application development environment.

The run-time system is centered around the renowned pSOS+* multitasking and pSOS+m* multiprocessing kernels and may be scaled to include industry standard networking facilities, file managers and C++ support.

As the heart of pSOSystem, the pSOS+ kernel delivers reliable, time-constant performance, while only occupying 20 Kilobytes of system memory. The pSOS+ kernel acts as the nucleus of supervisory software which performs services on demand, schedules, manages and allocates resources and generally coordinates multiple, asynchronous activities.

The pSOS+m kernel transparently distributes pSOS+ tasks over a number of processors and has found wide use in telecommunications and distributed



systems requiring efficient inter-processor communications. The pSOS+m kernel includes such features as variable length messages and failure-resistant multiprocessing systems. It shares the same pSOS+ API allowing users to create multiprocessing-based applications with almost no code changes between the two versions.

pSOSystem's comprehensive application development environment includes compilers, instruction set and OS simulators, high-level language source debug and system-level multitasking debug and the ES_p* visual debugging and analysis tool. pSOSystem also provides turnkey support for i960 processor evaluation and VME boards, such as the Intel evaluation board and Cyclone CVME964 VME boards. With over 3,000 licenses worldwide, pSOSystem applications center on telecommunications, aerospace, medical instruments, process control systems and consumer and office products.

HOST SYSTEMS SUPPORTED:
IBM-compatible PCs; Sun SPARCstations; IBM RS/6000 workstations; HP 9000/700 series workstations

PROCESSORS SUPPORTED:
i960 Processor Family

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