OS-9 Real-Time Operating System

- Unique Modular Structure
- Small, Deterministic, Fast and Completely ROMable
- Priority-Based, Preemptive Task Scheduling
- Position Independent, Re-Entrant, Dynamic System Environment
- UNIX-Like Process Model and I/O Facilities
- Real (Physical) Processes
- Extensive Interprocess Communication
- Unified, Interrupt Driven I/O System
- Fastrak Development Options: UNIX, Windows* 3.X, Windows 95, Windows NT, Workgroups
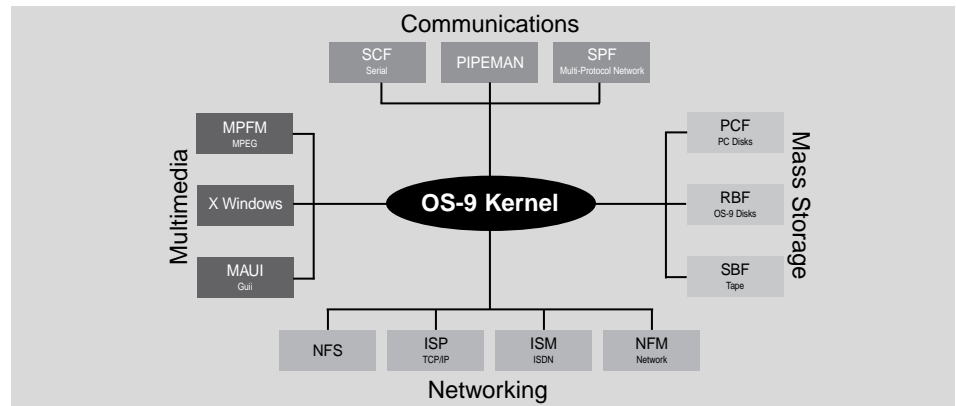- Ultra C/C++ Compiler

OS-9 is an architecturally advanced, high performance real-time operating system. At its core, OS-9's stand-alone microkernel provides the power for your most demanding real-time applications.

Coupled with the power of the microkernel, OS-9's unique modular architecture allows dynamic loading of any OS-9 system or user application module while the system is up and running.

Beyond advanced kernel technology and modularity, Microware offers a broad range of field proven I/O management subsystems. Microware's off-the-shelf I/O support means you don't waste time writing your own I/O management system. Instead, pick from basic I/O support like serial and D/A, to advance support including ISDN, ATM and TCP/IP networking.

Microware's suite of tools opens the door to popular development environments including UNIX and Windows, as well as resident OS-9. These tools are tightly integrated with OS-9 for maximum performance and ease of development.

Microware's OS-9 Serial Protocol File Manager (SPF) provides the framework for easy creation of new protocol drivers and interoperability with existing protocol drivers. SPF features a unique network-independent architecture for dynamically stacking and unstacking protocol drivers and device drivers. SPF allows applications to reference specific stacks of required protocol drivers and device drivers, and then assists the application in navigating through these components using an identified data path. In an embedded environment, such applications and protocol stacks can be resident in the device or can be downloaded to the device from a server over the network. SPF's tight network/OS integration provides the speed and efficiency critical to maximizing information throughput.

The Multimedia Application User Interface (MAUI) system from Microware provides an extensive set of APIs for high performance multimedia and/or user interface requirements. MAUI allows you to write applications that are portable to a wide variety of hardware configurations and will work on any size system, from small ROM-based embedded applications to large-scale network-based development systems. In addition, MAUI can be targeted by industry-standard authoring tools including Apple QuickDraw and QuickTime, Macromedia Director, Oracle Media Objects and Sybase/ GAIN Momentum. Written in the ANSI C language and designed to be ROMable, modular, fast and hardware-independent, the most important consideration in developing MAUI was to ensure that it could match real-time performance.

If you're developing smart products for emerging markets, OS-9 based packages can cut your time to market. To aid in this process, these packages may include OS-9/Power Management, the powerful dynamic Java language licensed from Sun Microsystems and/or Spyglass or HotJava web browsers. OS-9 is the foundation for wireless communications, digital broadcast and Internet/Intranet access solutions from Microware.

HOST SYSTEMS SUPPORTED:
Windows: 95, NT, 3.X; UNIX: Sun 4/SunOS, Sun 4/Solaris, RS6000, SGI, and the HP 9000 Series 700

PROCESSORS SUPPORTED:
Intel386™ CX/EX/SX/SXSA/DX; Intel486™ SX, IntelDX2™, IntelDX4™, and Pentium® processors

AVAILABILITY:
Now

CONTACT:
Microware Systems Corporation
1900 N.W. 114th Street
Des Moines, IA 50325-7077
Phone: (515) 223-8000
          (515) 224-1352
e-mail: info@microware.com
WWW: http//www.microware.com

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