RadiSys
THE POWER OF WE

DATASHEET

MICROWARE OS-9 PROCESSORS AND HARDWARE SUPPORT

The High-performance, High-reliability RTOS Solution for Modular Embedded Design

FEATURE SUMMARY

- Speed
- Reliability and Security
- Development Environment
- Processor Support
- Standards Compliance
- Fully Scalable
- Technical Support

PRODUCT DESCRIPTION

Microware OS-9 is the high-performance, high-reliability real-time operating system (RTOS) from RadiSys Corporation. Top-ranked in recent RTOS surveys, OS-9 is proven world-wide in thousands of products representing hundreds of embedded applications, including industrial automation & control, automotive and medical instrumentation.

OS-9 is a complete solution, including the OS kernel, software components, networking, graphics, power management and development tools – all backed by a dedicated RTOS support team at RadiSys.

OS-9 offers complete and robust support for the most popular processors and peripherals used in real-time applications.

PROCESSORS SUPPORTED

68K

OS-9's original 32-bit processor. Large portions of the operating system are written in highly-tuned, hand-written assembly language

- Motorola 68328 ADS (Dragonball)
- Motorola MVME147
- Motorola MVME162
- Motorola MVME167
- Motorola MVME172
- Motorola MVME177

ARM/strongARM

Featuring support for the ARM 7 and ARM 9 architectures. Includes support for low-power processing modes and special "fast" IRQ mode.

- ADS Graphics Client
- ADS Graphics Master
- ADS Graphics Master (64MB)
- ADS Thin Client
- ARM PID7T
- Cirrus Logic CDB89712
- Cirrus Logic EP7212
- Intel Assabet/Neponset
- Intel SideARM/Sidekick

MIPS

One of our most widely deployed processor families. OS-9's compiler is highly optimized for reduced code size on MIPS processors.

- **MIPS32 Reference Boards:**
  - IDT 79EB355
  - IDT 79S334
  - MIPS Atlas

- **MIPS 3000 Reference Boards:**
  - Toshiba JMR TX3927

- **MIPS64 Reference Boards:**
  - Toshiba TX4927
  - Toshiba TX4937

PowerPC

Broad support for PowerPC processors and peripherals: from cost-efficient, low-powered processors to high-performance machines at blazing-fast speeds. Optimal use of MMU facilities to avoid unnecessary exceptions

- EST SBC8260
- Motorola 8240 Sandpoint
- Motorola 8xxFADS
- Motorola MCP750
- Motorola MTX603/604
- Motorola MVME2100 series
- Motorola MVME2600 series
- Motorola MVME2700 series
- Motorola MVME3100 series
- Motorola MVME3600 series
- Motorola MVME5500 series
- Motorola MVME6100 series
- TQ Components TQM8540 (PowerQUICC III)
- IBM 405GP

SuperH

A long history of supporting Hitachi SuperH processors. Small-code size and excellent backwards compatibility are the hallmarks of OS-9 for SuperH.

- Hitachi SH7709
- Hitachi SH7709ASE
- Hitachi SH7750SE
- Hitachi SH7780SE

x86/PENTIUM®

OS-9 supports a wide array of common PCI and USB devices. Fully enables the potential of inexpensive, high-performance hardware. IBM PC AT Compatible.

XSCALE

OS-9 embraces this follow-on to the StrongARM architecture by fully utilizing all of the processor's features.

- IXP425
- RadiSys EXS-6424
- PXA255
- PXA270

DRIVERS

A wide variety of software drivers are available for all processors supported by OS-9. This list is constantly being added to and updated by the OS-9 development team.

For the latest list, view the table at www.radisys.com/microware/support/driver.cfm

OS-9 EVALUATION PACKAGE
Request your FREE evaluation copy of OS-9. This is a full-featured OS-9 system complete with all development tools, device drivers, and network connectivity options. This allows you to experiment with the strengths and options of OS-9 for 60 days after installation.

OS-9 SALES
Contact your nearest OS-9 Sales & Support Office for detailed ordering and product configuration information, or to discuss OS-9 technical details, features and specifications with the OS-9 team:

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Ordering Information

Toll-Free: 800-950-0044
Phone: 503-615-1100
Support: 866-385-6167

Contact Information

www.radisys.com
info@radisys.com
Channels and other locations

World Headquarters

5445 NE Dawson Creek Dr.
Hillsboro, OR 97124 USA
Phone: 503-615-1100
Fax: 503-615-1121
Toll-Free: 800-950-0044
Support: 866-385-6167