



Salvo™

The RTOS that runs in tiny places.™



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Profile

- As the first full-featured RTOS capable of running on Microchip® PICmicro® devices and other single-chip microcontrollers with severely limited RAM and ROM, **Salvo** is the solution for harnessing the power, speed and flexibility of an RTOS in low-cost embedded designs.

Benefits

- Implement new designs quickly
- Enhance functionality using existing resources
- Improve real-time performance
- Multitask
- Use memory efficiently
- Minimize costs
- Maximize reliability

You

- Beat your competition to market
- Don't re-invent the wheel
- Manage complexity

Salvo RTOS
+ connectivity solution
+ low-cost microcontroller

= tiny
embedded
Internet device

Features

- Cooperative, event-driven, priority-based multitasking RTOS
- Designed for processors with severely limited RAM (e.g. < 256 bytes)
- Works within a hardware call...return stack of 8 levels or less (4 is typical)
- Supports 16 separate dynamic task priority levels - tasks at equal priorities will round-robin
- Provides intertask communications and synchronization, ISR-to-task communications and resource sharing
- Extremely small RAM and ROM footprints
- No PUSH/POP stack or stack pointer required
- Number of tasks and events limited only by available memory
- ROMable and extensible - easily accommodates connectivity solutions
- Highly configurable system timer requires only a single interrupt
- Event support includes semaphores, messages and message queues
- Time-based services include delays, waiting with timeouts and elapsed time
- Low interrupt latency
- Fast context switching
- Highly configurable via C-language preprocessor to fit your application
- Very easy to use - employs standardized RTOS methods and terminology
- Portable - written in ANSI C, with minimal compiler- and target-specific extensions
- No run-time royalties
- Full source code included
- Demo and freeware libraries available
- Annual subscription includes free support and upgrades

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