



# Salvo™

The RTOS that runs in tiny places.™

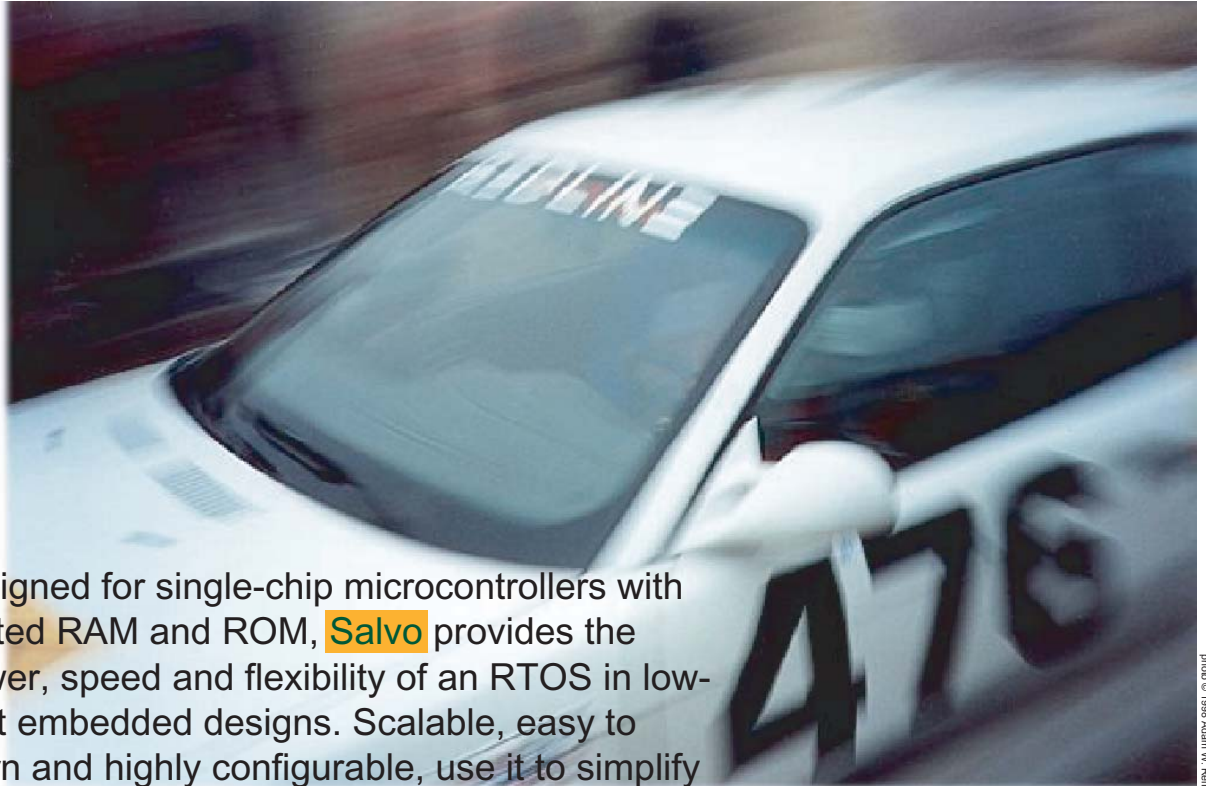


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## Profile

- Designed for single-chip microcontrollers with limited RAM and ROM, **Salvo** provides the power, speed and flexibility of an RTOS in low-cost embedded designs. Scalable, easy to learn and highly configurable, use it to simplify your next embedded application.
- In use world-wide since 1998.

## Benefits

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

## You

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

## Targets

- 8051 family
- TI's MSP430
- ARM® ARM7TDMI
- Atmel® AVR® and MegaAVR™
- Microchip 8-bit, 16-bit & 32-bit PIC® MCUs
- Seiko Epson S1C17

# Features

- Event-driven priority-based cooperative multitasking RTOS
- Designed expressly for single-chip processors with limited RAM
- Provides intertask communications and synchronization, ISR-to-task communications and resource sharing
- Supports 16 separate dynamic task priority levels - tasks at equal priorities will round-robin
- Compatible with all low-power operating modes
- Minimal stack and on-chip resource requirements
- Extremely small data and program memory footprints
- Number of tasks and events limited only by available memory
- Supports device-specific data spaces (internal, external, internal+external), memory maps and addressing schemes
- Large API - over 50 user-callable RTOS services
- Highly optimized and configurable system timer requires only a single nondedicated interrupt
- Time-based services include delays, waiting with timeouts, elapsed time and cyclic timers
- Event support includes semaphores, messages, message queues and event flags
- Zero or very low interrupt latency.<sup>1</sup> Full user configurability of interrupts.
- Fast context switching
- Flexible, ROMable, scalable and extensible
- Highly configurable via C-language preprocessor to fit your application
- Easy to use - employs standardized RTOS methods and terminology
- Portable - written in ANSI C, with minimal compiler- and target-specific extensions
- Affordable and royalty-free
- Comprehensive documentation available on-line
- Worldwide installed base with rock-solid reliability
- Size-optimized libraries and full source code<sup>2</sup> included
- License includes free support and updates for one year<sup>3</sup>
- Lite (freeware), LE and Pro distributions<sup>4</sup> available

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Please note: Support for Salvo tiny & Salvo SE distributions and TMS470, TMS320C2000 and ARClite microRISC targets ended in 2009 when Salvo v3 was end-of-lifed. These targets are not currently supported in Salvo 4.

1: Compiler- and target-dependent.  
2: Source code in Salvo Pro distributions only.  
3: Pro distributions only. Support and updates period is shorter for lesser distributions.

Specifications subject to change without notice.

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