

IntervalZero

Product Release Notice

RTX 2009 & RTX 2009 SMP with Service Pack 2

- **Product Released for General Availability on June 10, 2010.**

PRODUCT OVERVIEW:

IntervalZero, Inc. announces the release of Service Pack 2 for our market-leading RTX software – RTX 2009, and RTX 2009 SMP.

Service Pack 2 for RTX 2009, and RTX 2009 SMP is supported on Windows 7, including Windows Embedded Standard 7; Windows Vista, up through SP2; Windows XP SP3; and Windows Embedded Standard 2009.

Notably, Service Pack 2 adds support for shared configurations – in addition to dedicated configurations - for multiprocessor (MP) and uniprocessor (UP) APIC systems running Windows 7.

Other new features and updates in Service Pack 2 include:

- A new network driver has been provided to support a subset of the Marvell Yukon PCI Express Ethernet controllers.
- Improvements have been made to how system frequency is measured when Intel® Turbo Boost Technology is enabled.
- Support has been added for Visual Studio 2010 through wizards, a C runtime library and a debugger Add-in.
- The RTX Debugger Add-in provides the ability to set thread affinity and ideal processor for the main thread of the process that is being debugged.
- The RTX Debugger Add-in provides the ability to set the ideal processor for the internal debugger threads
- RtTraceEvent is supported from Win32 applications.

RTX 2009 SMP is an essential component in a powerful new Soft-Control Architecture that is changing the basis of competition for Embedded OEMs.

The foundation for Soft-Control Architectures in hard real-time environments is an Integrated Real-Time Development Platform comprising Microsoft Windows, multiprocessor x86 architectures, and IntervalZero's RTX 2009, which provides real-time operating system

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functionality as an extension to Windows and enables real-time symmetric multiprocessing (SMP).

Soft-Control Architectures give OEMs clear competitive advantages and product differentiation by delivering breakthroughs in throughput and yields; in production quality; in a more compact physical footprint; and in cost reductions of 25-50%.

OEMs that will benefit most from a Soft-Control Architecture have complex Human-Machine Interfaces; require the precise coordination of multiple tasks and the deterministic hard real-time performance capabilities that RTX delivers; and also want to benefit from innovative technologies and industry trends.

By leveraging RTX 2009's native SMP support on multiprocessor architectures, and its tight integration to the Microsoft Windows' environment, OEMs get a market-leading Soft-Control Architecture that moves the hard real-time control logic, such as PLC or motion logic, from specialized hardware components to software components. The software runs on multicore, industrial-strength commodity x86 processors and uses both Open Standards and Standard Communications Architecture, such as USB and real-time Ethernet.

RTX 2009 & RTX 2009 SMP with Service Pack 2 PRODUCT AND PRICING INFORMATION:

RTX 2009 and RTX 2009 SMP with Service Pack 2 are available for sale on June 10, 2010.

The Software Development Kits (SDKs) for RTX 2009 and RTX 2009 SMP with Service Pack 2 are priced separately, based on the customers' selection of the Runtime that is included with their SDK purchase.

- **The RTX 2009 with Service Pack 2 Runtime includes support for real-time operations on one shared or dedicated RTX processor in a uniprocessor or multiprocessor environment.**
- **The RTX 2009 SMP with Service Pack 2 Runtime includes support for SMP, which makes it possible to operate on one shared or up to seven dedicated RTX processors in a multicore/multiprocessor environment. SMP support is a significant value-add capability that enables greater, more scalable system performance.**

Support of multiple real-time threads running concurrently on multiple processors in a single system, allowing end users to create more powerful solutions while reducing hardware costs and physical footprint

Simplified streamlined product development through the elimination of numerous architectural challenges. With SMP, real-time threads executing on multiple processors/cores can communicate and share resources directly with one another, eliminating the need for multiple single-board computers arranged in a bus communication design.

Updated pricing information is available through Channel Partners and by contacting IntervalZero Sales – sales@IntervalZero.com.

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Snapshot: RTX 8.1.2, RTX 2009 & RTX 2009 SMP with Service Pack 2 Runtime functionality

RTX Processor Utilization Options	RTX 8.1.2	RTX 2009 with SP2	RTX 2009 SMP with SP2
RTX real-time subsystem shares one processor with Windows	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RTX real-time subsystem has one dedicated processor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RTX real-time subsystem has from one to seven dedicated processors			<input checked="" type="checkbox"/>

Availability

RTX 2009 and RTX 2009 SMP with Service Pack 2 are available through Partners and by contacting Sales: sales@intervalzero.com or (781) 996- 4481.

We look forward to comments and feedback. If you have any other recommendations or wish to suggest any enhancements to IntervalZero, please contact Sales at sales@intervalzero.com or Product Management at: ProductManagement@intervalzero.com.