Product Brief

Intel® Server System SR9000MK4U

Four-way Dual-Core Intel® Itanium® 2 Server System SR9000MK4U

Outstanding performance and reliability for enterprise-level applications

Product Overview

Today's business-critical servers require powerful, dependable computing with uncompromised data integrity. The Intel® Server System SR9000MK4U with Dual-Core Intel® Itanium® 2 9000 series processors delivers exciting new levels of reliability, performance, and cost-effective scalability for your most data-intensive business and technical applications.

The Intel Server System SR9000MK4U supports up to four Dual-Core Intel Itanium 2 processors in a 4U rack-optimized form factor. Offering double the performance of yesterday's Intel Itanium 2 processors[1], the Dual-Core Intel Itanium 2 processor provides more reasons than ever to migrate business-critical applications off RISC and legacy mainframe systems and onto the cost-effective Intel SR9000MK4U Server System. A faster front side bus of up to 667 MHz, support for up to 128 GB of DDR2 533/667 memory in 32 DIMM slots, and PCI Express* I/O technology provide the performance and availability that scalable mission-critical solutions demand.

Features and Benefits

- Up to four Dual-Core Intel® Itanium® 2 processors in a 4U rack-optimized design with support for the next generation of Itanium processors.
- Intel® Virtualization Technology[2] in the Dual-Core Intel® Itanium® 2 Processor 9000 series increases virtualization efficiency and broadens operating system compatibility.
- The Dual-Core Intel Itanium 2 processor provides close to triple the amount of L3 cache (24 megabytes), Intel® Hyper-Threading Technology,[3] Intel® Cache Safe Technology for increased availability, and up to 20 percent lower power consumption[1].
- 32 DIMMs provide outstanding memory capacity (maximum 128 GB RAM) to handle data-intensive computing required for mission-critical applications.
- Hot swappable memory modules, memory scrubbing, and mirroring capabilities provide additional server reliability.
- Hot plug PCI Express* I/O technology delivers high bandwidth and excellent scalability.
- Hot plug SAS hard drives provide high performance, reliable and sufficient storage space for critical business data without using external storage space.
- Redundant cooling and power for increased system reliability.

Intel® Server System SR9000MK4U Product Specifications

Processor	Dual-Core Intel® Itanium® 2 9000 Series Processor
Processor Socket Qty	4
System Bus Speed	533 or 667 MHz
Memory	32 DIMM sockets for up to 128 GB of DDR2 533 or 667 MHz memory
Memory Reliability	Hot-swappable memory modules. Errors in the memory subsystem are detected and corrected with memory scrubbing and memory mirroring.
Chipset	Hitachi* ColdFusion* 3e
PCI Buses	6
Slot Types	2x PCI Express* x16 (Hot Plug) 2x PCI Express x8 (Hot Plug) 2x PCI-X 133 MHz (Hot Plug)
SAS	4 port via SAS on-board controller. Expandable up to 8 port with add-in SAS controller card
Integrated LAN	2x Intel® Gigabit Ethernet connections
Integrated Graphics	ATI* with 16 MB memory
Form Factor (HxWxD)	4U Rack (441x765x176mm)
Drive Bays	8x 3.5" hot-swap SAS HDD bays
System Cooling	5+1 redundant system fans
Power Supply	1390W (1+1 at 200-240V) redundant and hot-swappable power supply
AC Input	100-127V, 200-240V, 50/60 Hz

Compatible Product Options for Flexible Solutions

Intel Building Block	Product Names	Product Codes
Required Accessories	**Intel® Server System SR9000MK4U**	
	Processor Voltage Regulator	SR9000MK4U ABHMVR12V
	Hard Drive Expansion Accessories	
	HDD Carrier	A9000MKHDC
	2nd SAS cable	A9000MKSAS
Optional Accessories	**Rack-Mounting Accessories**	
	Rail Bracket Kit	A9000RAILS
	Cable Arm Kit	A9000CBARM
	Remote Management Module	
	SR9000 system KVM Card	A9000KVMCD

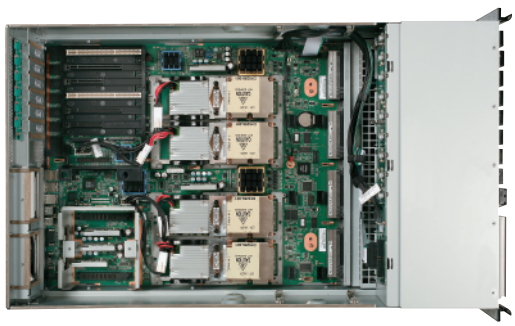
For more information on the Intel® Server System SR9000MK4U, visit:

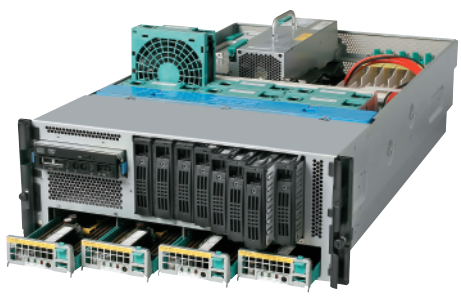
www.intel.com/design/servers/platforms/SR9000MK4U/index.htm

[1] Performance measured using OLTP (NT/SQL), SPECjbb2005, SPECCPU, Linpack, and SAP-SD. Intel Internal Measurement (March 2006) comparing system configurations of Dual-Core Intel® Itanium® 2 processor 1.6 GHz with 24 MB L3 cache to Intel Itanium 2 processor 1.6 GHz with 9 MB L3 cache. Actual performance may vary. See: www.intel.com/performance/server/itanium2.

[2] Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel Virtualization Technology-enabled BIOS and VMM applications are currently in development.

[3] Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® Processor supporting HT Technology and an HT Technology enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/products/ht/hyperthreading_more.htm for more information including details on which processors support HT Technology.





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