

Product Brief

- Designed for Intel® Server Board SCB2
- Accommodates Two Intel® Pentium® III Processors with 512-KB L2 Cache
- Features Eight Drive Bays and Six 64-bit/66-MHz PCI Slots



Intel® Server Chassis SR2200

Innovative, 2U Rack-Optimized Server Chassis for Flexible High-Density Solutions

High-density rack-mount (HDRM) servers are emerging as one of the strongest segments in the entry-level server space. Their thin, rack-mount design saves space and simplifies the installation, operation, and maintenance of co-located systems. For dependable, manageable rack-mount servers, be sure to use Intel® server building blocks, including the new Intel® Server Chassis SR2200.

intel®

Performance and High Availability for e-Business

Innovative and Rack-Optimized for the Intel® Server Board SCB2, the Intel® SR2200 delivers the latest server chassis technology to support a wide range of high-density system configurations. The Intel® SR2200 includes two 64-bit/66-MHz PCI risers that accommodate up to six adapter cards on dual peer PCI buses. Six drive bays accept hot-swap SCSI drives and a special flexible bay allows for an additional hot-swap SCSI hard drive or a slim-line CD-ROM/floppy drive module. The Intel SR2200 ships with a single 350W power supply with an option for redundant power module and -48V DC power. Advanced cooling technology, including a redundant fan option, allows for two Intel® Pentium® III processors with 512-KB L2 cache.

Advanced Component Monitoring and Tools-Free Serviceability

The Intel SR2200 ships with instrumented components, multiple LED indicators, and front access to two USB connectors and one serial port to support Intel® Server Management. Installing and administering an SR2200-based server is easy because of the many tools-free components, such as fan assembly, PCI riser assembly, control panel board, and power supply modules.

Enables Flexible, Multi-Purpose Solutions for High Density Environment

The Intel SR2200 delivers industry-leading flexibility in high-density environment for a variety of multi-purpose server solutions, such as: Web hosting, Application hosting, Search engine, Security, Cache, VPN, Proxy, Email, and File/Print.



Build Value with Intel: Server Products, Programs, and Support



Intel is committed to providing industry-leading server building blocks, programs, and support services to help system integrators successfully compete in today's evolving Internet economy. Get the high-value server solutions

you need to succeed by taking advantage of the outstanding value Intel provides its system integrators:

- High-quality server building blocks
- Extensive breadth of server building blocks
- Solutions and tools to enable e-Business
- Comprehensive training services
- Worldwide 24x7 technical support
- World-class service, including a three-year limited warranty and Advanced Warranty Replacement

For more information on Intel's added-value server offerings, please visit: www.intel.com/go/serverbuilder

Features

Specifically designed and validated with the Intel® Server Board SCB2

Up to seven hot-swap Ultra160 SCSI hard drive bays with up to 15K RPM support

Flexible bay for seventh hard drive or an optional slim-line CD-ROM/floppy drive module

One 3.5" full-height peripheral drive bay

Up to six 64-bit/66-MHz PCI expansion slots on dual peer PCI riser cards

Front-access serial and USB ports

Tools-free serviceability

Chassis intrusion protection and support of Intel® Server Management

Single or optional dual redundant 350-Watt PFC power supply with dual line power cords

Advanced optional redundant cooling with multi-speed system fans

Multiple international regulatory approvals¹

Optional locking bezel (black or beige)

Benefits

Allows for quick and easy integration, with the full 2U benefits of the Intel® Server Board SCB2

Large storage capacity, SCSI integrity, and up to 160 MB/s data transfer rate with Ultra160 hard drives

Flexible system configurations

Provides room for additional peripherals such as a tape drive

Outstanding headroom for expandability to meet a variety of customer needs

Easy access for server control and portable peripheral attachment

Minimizes maintenance downtime and enables easy serviceability

Designed-in security features and availability with automatic health monitoring, proactive messaging, and post-issue diagnostics

Ample power and increased availability for full 2U system integration; PFC limits risk to power surges and reduces waste

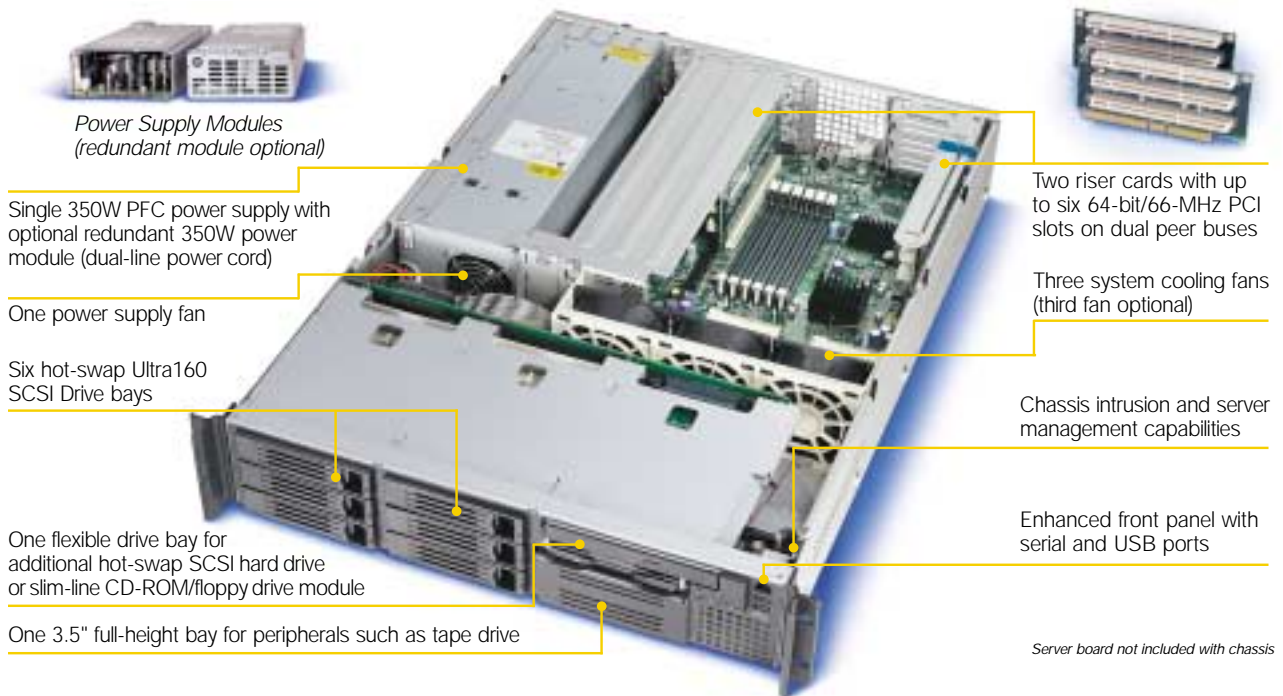
Adequate fault-tolerant server system cooling in high-density, rack-optimized environments

Speeds development, qualification, and time to market of Intel® SR2200-based systems

Flexible look and security

1. When integrated as specified in the Intel® Server Board SCB2 integration guide. Please see <http://support.intel.com/support/motherboards/server/SCB2> for details.

Intel® Server Chassis SR2200



Complete Your Intel® Server Chassis SR2200 with Intel® Server Building Blocks

Add the following Intel® server building blocks to your Intel Server Chassis SR2200 to ensure a highly reliable, available, and scalable server:



Intel® Pentium® III Processors provide powerful performance to meet the needs of your server customers and gives them the reliability, flexibility, and headroom necessary for e-Business transaction surges.

Intel® Server Board SCB2 is a powerful, rack-optimized server board for building reliable, high-density solutions.

The Intel SCB2 features:

- Dual Intel® Pentium® III processor support
- Triple Peer PCI buses
- Six DIMM sockets for up to 6 GB of dual interleaved PC133 ECC SDRAM memory
- Advanced Intel® Server Management
- Ultra160 SCSI or ATA/100 RAID



Intel® Server Management monitors key server components and fixes many problems automatically, keeping your customers up and running. Intel Server Management offers several key high-availability features including:

- Integrated remote management
- Event alerting and logging
- Proactive fault management

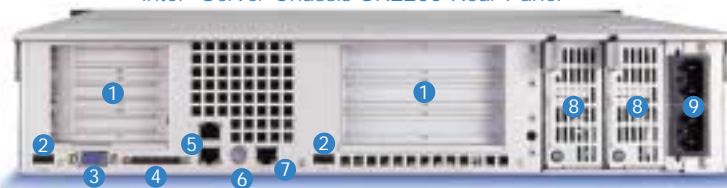


Intel® RAID Controllers are designed to protect data, applications, and the server operating system from disk failures. Intel offers an affordable high-performance line of RAID products, which are tested and validated for easy integration with Intel server building blocks.



Intel® PRO Server Adapters, including Fast Ethernet and Gigabit Ethernet server adapters, help to reduce bottlenecks and improve availability with industry-leading performance and advanced server features.

Intel® Server Chassis SR2200 Rear Panel



1. Six PCI Slots
2. Two USB Ports
3. Video Port
4. 68-pin SCSI Port
5. Two Ethernet Ports
6. PS/2 Port
7. RJ45 Serial Port
8. Dual Redundant 350-Watt AC Power (Second Power Module Optional)
9. Power Receptacle (Dual Line Cord)



Optional Locking Bezel (Black)



Optional Locking Bezel (Beige)

Intel® Server Chassis SR2200 Specifications

Form Factor

2U rack-mount server chassis for EIA Standard 310-D racks. Validated with Intel® Server Board SCB2.

Dimensions

Height	3.4"
Width	18.9"
Depth	24.1"
Color	Black trim (black or beige bezel optional)

Drive Bays

Drives	Ultra160 support for up to seven 1" hot-swap hard drives or six 1" hot-swap drives and one slim-line CD-ROM/floppy drive module
Peripheral Bay	One 3.5" full height peripheral bay

System Cooling

Three fans	Two 80 mm fans mounted in the middle of the chassis and instrumented to provide RPM data for fan failure prediction and detection One 35 mm power supply fan
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Security

The Intel SR2200 includes a mechanical lock on the optional front bezel and an intrusion switch that can be monitored by Intel Server Management software

Standard Power Supply

AC Power Supply	350W 1+1 PFC
AC Voltage	6.7 amp at 115 V 3.3 amp at 220 V
+5V	20 amp max
+5V standby	2 amp max
+12V1	18 amp sustained
+12V2	18 amp sustained
-12V	0.5 amp max
+3.3V	20 amp max

Front Panel

Buttons	Power on/off/sleep button (momentary), system reset button, system ID button, and tool-activated NMI switch
LEDs	Power, hard drive activity, network activity, system ID, and general system status

Environment

Ambient Temperature	Operating (system) +10°C to +35°C Non-operating (system) -40°C to +70°C ambient
Relative Humidity	Non-operating 95% @ 30°C non-condensing
Acoustics	<45 dBA in an idle state in a normal office environment (65° – 75°F)
Electrostatic Discharge	15kV per Intel test specification

Regulations

When integrated with a validated Intel® Server Board and configured as outlined in the SR2200 Chassis Subassembly Installation Guide, the Intel® Server Chassis SR2200 complies with the following Safety and EMC regulations:

Safety

U.S., Canada	UL1950 – CSA 950 (UL and cUL)
Europe/CE Mark	EN60950 (complies with 73/23/EEC)
International IEC60950	(CB Report and Certificate)
Nordic Countries	NEMKO/EMKO–TSE (74-SEC) 207/94
Russia	GOST 50377-92
Korea	K-Mark

Electromagnetic Capability (EMC)

U.S.	FCC, Part 15, Class A
Canada	ICES-003, Class A
Europe, CE Mark	EN55022 (Class A); EN55024 & EN61000-3-2;-3-3 (complies with 89/336/EEC)
International	CISPR 22, Class A
Japan	VCCI, Class A
Taiwan	CNS13438, Class A
Korea	RRL, MIC 1997-41 & 1997-42
Russia	GOST 29216-91 & 50628-95
Australia/New Zealand	AS/NZS 3548 (based on CISPR 22)

Recommended Configurations and Order Codes

The following table provides several suggested configurations for Intel SCB2-based systems. Please see www.intel.com/go/serverbuilder for the most recent product updates.

	Intel® SR2200 2U System with Integrated SCSI ¹	Intel® SR1200 1U System with Integrated SCSI ¹	Intel® SR1200 1U System with Integrated ATA/100 RAID ²
Intel® Server Board SCB2	SCB2SCSI ³	SCB2SCSI	SCB2ATA
Intel® Server Chassis SR2200 or Intel® Server Chassis SR1200 ⁴	KSN	KCR	KCR
Chassis Backplane (required)	Included with chassis	BCR1USBPWB	BCR1UABPWB
Redundant AC Power Module (optional)	AXX2PSMODL350	N/A	N/A
Redundant Fan (optional)	FSNFAN	N/A	N/A
Hot-swap Drive Carrier for Seventh Drive (optional)	FXX2DRVCARBLK	N/A	N/A
Slide Rail Kit (optional)	AXX1U2URAIL	AXX1U2URAIL	AXX1U2URAIL
Locking Bezel (optional black or beige)	ASNBEZBLACK or ASNBEZBEIGE	ACRBEZBLACK or ACRBEZBEIGE	ACRBEZBLACK or ACRBEZBEIGE
Slim-line CD-ROM/Floppy Drive Module (optional)	AXXCDFLOPPY	AXXCDFLOPPY	AXXCDFLOPPY
Chassis Spares Kits	FSNSPRKIT	FCRSPRKIT	FCRSPRKIT
Intel® RAID Controller SRCMR (modular ROMB) ⁵	SRCMR	SRCMR	---
Intel® PRO/1000 XT Server Adapter (low profile) ⁵	PWLA8490XTL	PWLA8490XTL	PWLA8490XTL

2. The Intel Server Chassis SR1200 is recommended for 1U systems. Intel SR1200 is a 1U chassis that supports up to two Ultra 160 SCSI or ATA/100 drives, depending on the backplane option and one flexible bay for third SCSI drive or a slim-line CD-ROM/floppy module.

3. SCB2ATA can be used for integration with SCSI-based RAID cards. See support.intel.com for a complete list of validated Intel and third-party cards.

4. See www.intel.com/go/serverbuilder for order information on -48V DC power supply option.

5. See support.intel.com for a complete list of validated Intel and third-party cards.

For the most current product information on Intel server building blocks, visit: www.intel.com/go/serverbuilder

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