

# Intel® SR2000 2U Rack Server Chassis

For Highly Reliable e-Business Solutions



## Product Brief

- Allows for Intel® Pentium® III processor performance
- High-density
- Reliable
- Scalable
- 3-year limited warranty

Dependable servers are the critical foundation of any successful e-Business. For high server availability, utilize Intel® server building blocks, including the new Intel® SR2000 server chassis. With a thin 2U form factor, the SR2000 allows for a dual Intel® Pentium® III processor-based solution that is high-density, rack-optimized, and built to keep your server up and running.

### Slender Rack Form Factor for Intel® Server Boards<sup>1</sup>

The SR2000 server chassis delivers leading technology and large storage capacity in a compact package. It is ideal for service providers, parallel server applications, and other high-transaction computing environments with tight space constraints. By combining the SR2000 server chassis with a validated Intel® server board and powerful Intel® Pentium® III processors, you can quickly and easily build a robust server for e-Business.

### Convenient Front Panel, Hot-Swap Hard Drives and Rail-Mount Kit

The SR2000 server chassis was designed for ease of use. For example, seven front panel LEDs provide instant visibility of system status. In addition, the hot-swap SCSI drive bay, located just behind the locking front bezel door, allows for hard disk replacement without powering down the server. For rack installation convenience, the SR2000 includes a rail kit and the parts needed for installation in a standard 19" cabinet.

### Peace of Mind with Service and Support from Intel Dealers

Intel has obtained a multitude of international regulatory approvals for the SR2000 server chassis when integrated as specified.<sup>1</sup> Intel offers a three-year limited warranty, next-business-day replacement of parts on Intel® server building blocks, and an optional SR2000 server spares kit to enable same-day service. In addition, Intel provides a dedicated support Web site, the SMArT Tool, and technical support center access.

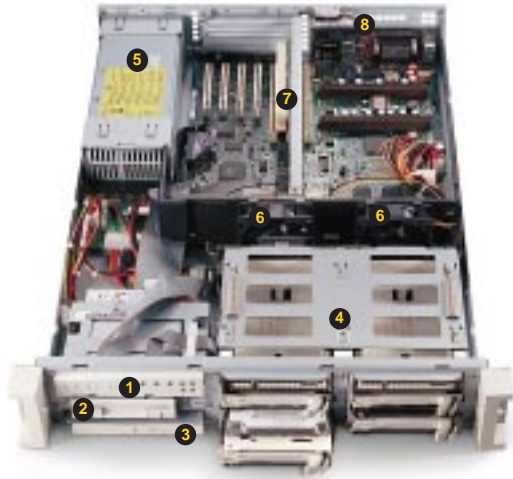
#### Features

#### Benefits

Space saving (3.5" x 18.9" x 24.1" with bezel) 2U rack configuration	Enables up to 21 servers to be racked in a 42U cabinet
Specifically designed and validated with Intel Server Boards <sup>1</sup>	Supports Intel® Pentium® III processors. High reliability. Quick and simple integration.
Hot-swap bay capable of housing two 1" and two 1.6" hard drives with Ultra2 and Ultra160 SCSI support	Over 108 GB of storage capacity with the possibility of zero-downtime to replace a failing hard disk
1 slim-line IDE CD-ROM (included) and 1 flexible 3.5" drive bay for floppy, tape or IDE hard drive	Slim-line CD ROM ready. Flexible system configuration.
2 slot, PCI riser card	Allows for full-length, high throughput PCI add-in cards
Advanced cooling system with two system fans optimally placed to cool key server components	Actively monitored cooling supports full configuration of latest technology
275-watt PFC power supply	Ample power for full system integration
Front bezel lock and chassis cover alarm switch	Physical access protection
Support of Intel® Server Control (ISC) software	Automatic health monitoring, proactive messaging and post-issue diagnostics to help ensure high availability

The Intel logo, consisting of the word "intel" in a lowercase, sans-serif font with a registered trademark symbol (®) to the right.

<sup>1</sup> The Intel® L440GX+ Server Board is the first board validated for the SR2000. Please see <http://support.intel.com/support/motherboards/server/> for additional validations and integration guides.



### SR2000 Rack Server Chassis, Front and Internal Components.

1. Front panel with four buttons and seven LEDs
2. 3.5" bay that supports floppy, tape, or IDE drive
3. Slim-line CD-ROM
4. Hot-swap drive bay assembly with SAF-TE
5. 275-Watt PFC power supply
6. Two instrumented 80mm system fans for cooling
7. 2 slot riser card
8. Chassis intrusion sensor

## Intel® SR2000 2U Rack Server Chassis Specifications

### Form Factor

2U rack-mount server chassis for EIA Standard 310-D racks. Validated with Intel® L440GX+ Server Board and additional boards listed within the SR2000 section of <http://support.intel.com/support/motherboards/server>

### Dimensions

Height	3.5"
Width	18.9" (bezel), 16.8" (chassis)
Depth	24.1"
Color	Dusty Beige (Intel Color Standard 513505)

### Hot-Swap Drive Bay

Drives Ultra2 and Ultra160 support for either four 1" hard drives or two 1.6" and two 1" hard drives

### SCSI Backplane

LVD

### External Peripheral Bays

- 1 slim-line CD ROM (included)
- 1 flexible 3.5" 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 80 mm power supply fan

### Security

The chassis includes a mechanical lock on the front bezel, and an intrusion switch that can be monitored by ISC software.

### Power Supply

DC Power Supply	275 W PFC
AC Voltage	4.8 amp at 115 V 2.9 amp at 220 V
+5V	20 amp max
+5V standby	2 amp max
+12V	14 amp sustained
+3.3V	14 amp max
-5V	0.2 amp max
-12V	0.2 amp max

### Front Panel

Power/Reset	Power On/Off button (momentary), System Reset button, ACPI Sleep Switch and tool activated NMI switch.
LEDs	Power, hard drive activity, network activity, and general system fault

### Serviceability

The following are the suggested times needed for a trained service technician to perform maintenance procedures, after diagnosis of the system condition:

Remove Cover	1 min
Remove and replace hard disk drive	1 min
Remove and replace 5.25" peripheral	5 min
Remove and replace power supply	5 min
Remove and replace fan	5 min
Remove and replace expansion board	2 min
Remove and replace front-panel board	5 min
Remove and replace SCSI backplane	10 min
Remove and replace server board	10 min

### Environment

#### Ambient Temperature

Operating	+10°C to +35°C
Non-operating	-40°C to +70°C ambient

#### Relative Humidity

Non-operating	95% @ 30°C non-condensing
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#### 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 SR2000 Chassis Subassembly Installation Guide, the SR2000 Server Chassis 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

#### Electromagnetic Capability (EMC)

U.S.	FCC, Part 15, Class B
Canada	ICES-003, Class B
Europe, CE Mark	EN55022 (Class B) & EN55024
International	CISPR 22, Class B
Japan	VCCI, Class B
Australia, New Zealand	AS/NZS 3548 (based on CISPR 22)

### Product Ordering Codes

SR2000 Chassis:	KB2HS
Spares Kit:	FB2SPRSLW

For the most current product information on all of Intel's server building blocks, visit the web site at:

[www.intel.com/go/serverbuilder](http://www.intel.com/go/serverbuilder)

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