



**Is there a chassis with basic features and flexibility to meet my customers' entry-level and office server needs?**

**Yes.** The Intel® Entry Server Chassis SC5250-E gives your customers power, reliability, and cost-effectiveness for a highly dependable and versatile chassis solution.

- Intel® Entry Server Chassis SC5250-E Product Brief



The Intel® Entry Server Chassis SC5250-E accommodates two Intel® Xeon™ processors and up to six fixed hard drives and can be easily upgraded to hot-swap SCSI or hot-swap Serial ATA.



## Intel® Entry Server Chassis SC5250-E

From the emerging e-Business to the active enterprise department, powerful, high-value servers form the backbone of a successful operation. With the Intel Entry Server Chassis SC5250-E, you can give your customers the cost-effective performance advantages of dual Intel Xeon processors and the flexibility of a fixed drive-bay configuration fully upgradable to hot-swap SCSI or hot-swap Serial ATA (SATA).

### Designed to Meet Essential Customer Needs

The Intel Entry Server Chassis SC5250-E can be combined with four Intel server boards to meet essential customer needs. With the Intel® Server Board SE7505VB2, the Server Chassis SC5250-E is ideal for high-end workstation or entry-level server applications. With the Intel® Server Board SE7501BR2, the Server Chassis SC5250-E makes an excellent workgroup application server. With the Intel® Server Board S845WD1-E or Intel® Server Board SE7500CW2, the Server Chassis SC5250-E supports small business general-purpose server needs.

### Outstanding Reliability for Value Applications

The Intel Entry Server Chassis SC5250-E enables highly dependable servers for small and medium-sized businesses thanks to rigorous validation testing that surpasses industry standards. Whatever the application, type of business, or size of the user base, the Server Chassis SC5250-E is a remarkably quiet-running chassis, meeting the Blue Angel\* acoustic requirements of 48dBA when idle and 55dBA when running at maximum disk speeds.

### Easy Accessibility and Low-Cost Maintenance

The Intel Entry Server Chassis SC5250-E is easy to access so businesses can upgrade and maintain their server systems easily and with minimal downtime. With four fixed-drive bays and up to five hot-swap SCSI or four hot-swap SATA hard-drive bays with the upgrade kit, the Server Chassis SC5250-E can be enhanced with additional storage without having to be taken offline. Expansion cards can be added in moments thanks to the tool-free access enabled by thumb screws on side panels. And operators can be made aware of problems while they can still be solved easily with the help of fully integrated Intel® Server Management capabilities.



You can configure the Intel Entry Server Chassis SC5250-E to meet a variety of entry-level and office server and workstation requirements.

The Server Chassis SC5250-E supports dual Intel Xeon processors, featuring Hyper-Threading Technology and the Intel® NetBurst™ microarchitecture for entry-level server and workstation applications.



The Intel Entry Server Chassis SC5250-E supports Intel Server Boards SE7505VB2, SE7501BR2, S845WD1-E, and SE7500CW2.



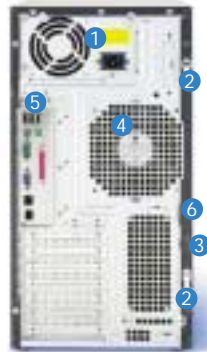
# Intel® Entry Server Chassis SC5250-E Standard Configuration and Intel® Entry Server Chassis SC5250-E with Hot-Swap SCSI or Hot-Swap Serial ATA Upgrade Kit



Server board not included with chassis

## Intel Entry Server Chassis SC5250-E Standard Configuration

1. Four fixed-drive bays expandable to six depending on the board used in the system
2. System fan



## Intel® Entry Server Chassis SC5250-E Rear Panel

1. 450W power supply
2. Latches for easy, tool-free side-panel removal
3. Pad lock loop
4. System fan
5. USB
6. Chassis intrusion monitor



Server board not included with chassis

## Intel® Entry Server Chassis SC5250-E with Hot-Swap SCSI or Hot-Swap Serial ATA Upgrade Kit

1. Managed hot-swap SCSI or hot-swap SATA hard drives
2. Front-access USB
3. Robust security and server-management capabilities

Available in black or beige in a pedestal form factor, small enough to fit in a rack environment\* and meeting the Blue Angel acoustic requirements for quiet operation, the Intel Entry Server Chassis SC5250-E fits easily into a variety of settings.

\*Rack kit not provided.



## Intel® Entry Server Chassis SC5250-E Features and Benefits

Designed for and validated with Intel® Server Boards SE7505VB2, SE7501BR2, S845WD1-E, and SE7500CW2

Support for high-performance Intel® Xeon™ processor-based solutions to deliver optimal flexibility

Option for two 5.25-inch and one 3.5-inch peripherals

Configuration flexibility for use with a wide range of peripherals

One 450W power supply, two system fans, up to six fixed-drive bays

Power and thermal capabilities for a robust server

Option for five hot-swap SCSI or four hot-swap SATA drives (available early Q2'03)

Extensive storage capacity

Compliance with Blue Angel acoustic requirements (≤ 48dBA idle, ≤ 55dBA at maximum speed)

Quiet operation

Compliance with international safety and EMC regulatory approvals

Reduced time to market and development investment

Support for Intel® Server Management, including automatic health monitoring, proactive messaging, and post-issue diagnostics<sup>1</sup>

Advanced security and availability

Three-year limited warranty

Peace of mind

## Complete Your Intel® Entry Server Chassis SC5250-E with Intel® Server Building Blocks



**Intel® Xeon™ Processors** provide the performance to keep your customers up and running along with the reliability, flexibility, and headroom necessary for e-Business transaction surges.



**The Intel® Server Board SE7505VB2** supports dual Intel Xeon processors, triple-peer PCI buses, 8X AGP, and up to 8 GB of ECC DDR266 SDRAM for powerful and versatile server and high-end workstation applications.



**The Intel® Server Board SE7501BR2** supports dual Intel Xeon processors, triple-peer PCI buses, and up to 8 GB of ECC DDR266 SDRAM to provide the power, bandwidth, and advanced management needed for workgroup servers.



**The Intel® Server Board S845WD1-E** accommodates one Intel® Pentium® 4 processor and 2 GB of ECC DDR200/266 SDRAM to provide a highly effective solution for entry-level server applications.



**The Intel® Server Board SE7500CW2** supports dual Intel Xeon processors, triple-peer PCI buses, and up to 4 GB of ECC DDR200/266 SDRAM to provide an effective solution for small and medium-sized businesses.



**Intel® Server Management** monitors key server components and resolves many problems automatically to keep your customers up and running.



**Intel® RAID Controllers** help to protect data, applications, and the server operating system from disk failures and are part of an affordable, high-performance line of Intel RAID products, all of them tested and validated for easy integration.



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

## Deliver the most advanced server technology with world-class customer support. With Intel, you can.



A wide variety of high-quality server building blocks are just the beginning of Intel's total solution for integrators. You also get solid technical support, comprehensive training, and world-class service.

**Technology leadership.** Take advantage of Intel's 20 years of experience designing and engineering industry-leading server building blocks such as the Intel® Xeon™ processor. Intel® Server Management and the Intel® SMaRT tool are Intel extras that contribute tremendously to server uptime, customer peace of mind, and lower ownership costs.

**Unsurpassed quality.** Intel spends 10,000+ hours testing and validating every piece of an Intel server stack. Uncompromising quality standards translate into higher reliability, fewer repairs, and greater customer satisfaction.

**World-class technical support.** Intel offers 24x7 phone and Web-based technical support, Advanced Warranty Replacement, a three-year limited warranty, spares kits, and extensive technical training. Integrators also receive a wealth of sales and marketing support in the form of sales tools, videos, and high-quality images for advertising.

For more information on Intel's added-value server offerings please visit:

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

**With Intel, you can give your customers access to the latest server technologies, exceptional quality, and highly responsive technical support.**

# Intel® Entry Server Chassis SC5250-E Specifications

## Form Factor

Pedestal	Server Standards Infrastructure (SSI) Entry E-Bay 3.0-compatible
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## Dimensions and Color

Pedestal	17.75" (height with feet) x 9.28" (width) x 19.1" (depth) Black or Dusty Beige
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## Hard-Drive-Bay Support

Standard Configuration	Up to six fixed Ultra320 SCSI or IDE drives (one-inch height) or SATA drives
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SCSI Backplane (optional)	LVD with SAF-TE, U320
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External Peripheral Bays	Two 5.25" (1.75" height) and one at 3.5" (floppy)
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## System Cooling

Two fans positioned for main chassis and power-supply cooling and monitored by Intel® Server Management for temperature and speed when this software is installed

## Front Panel

Buttons and Switches	Power on/off (momentary) button, system reset button, ACPI sleep switch
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LEDs	Power, NIC1, NIC2, Drive, Status
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## Intel® Server Management Solution

Software and Remote Management Capabilities	Board-dependent
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## Security

A mechanical lock on the front bezel, pad lock loop, and one intrusion switch that can be monitored by Intel® Server Management

## Environment

Ambient Temperature	Operating: +10°C to +35°C; non-operating: -40°C to +70°C
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Relative Humidity	Non-operating: 95% @ +30°C non-condensing
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Acoustics	<48 dBA in an idle state (55dBA at maximum disk speed) in a normal office environment (65°-75°F)
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Electrostatic Discharge	15 kV per Intel test specification
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## Safety Compliance

Australia, New Zealand	AS/NZS 3260 (covered by CB Report)
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Argentina	IRAM
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Canada	UL60950 – CSA 60950 (UL and cUL)
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China	GB4943
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Europe	EN60950 (Complies with 73/23/EEC)
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International	IEC60950 (CB Report and Certificate)
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Russia	GOST 50377-92
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United States	UL60950 – CSA 60950 (UL and cUL)
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## Electromagnetic Compatibility (EMC) Compliance (Class A)<sup>2</sup>

Australia, New Zealand	AS/NZS 3548 (Based on CISPR 22)
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Canada	ICES-003, Class A
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China	GB9254 / GB17625
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Europe	CE Mark, EN55022, EN55024, EN61000-3-2/-3-3 (Complies with 89/336/EEC)
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International	CISPR 22, 3rd Edition, Class A
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Japan	VCCI, Class A
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Korea	RRL, Class A
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Russia	GOST 29216-91 / 50628-95
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Taiwan	BSMI CNS13438, Class A
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United States	FCC, Part 15, Class A
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Some certifications may be obtained post launch.

## The Intel Entry Server Chassis SC5250-E Power Supply

SC5250-E Base Configuration	
DC Power Supply	450W PFC
AC Voltage	100-127 / 200 -240 V~; 5.0 / 2.5 A
+5V	20A max
+5V standby	2A max
+12V	30A sustained
+3.3V	24A max
-12V	0.5A max

## Recommended Configurations and Order Codes

Item	Product Order Code
Intel Server Chassis SC5250-E with Black Bezel	KPTBASE450BLK
Intel Server Chassis SC5250-E with Beige Bezel	KPTBASE450
Hot-Swap SCSI Drive Bay Upgrade (optional)	AXX2HSDRVUG
Hot-Swap SATA Drive Bay Upgrade (optional)	ASATAHSDB
Cosmetic Kit with Black and Beige Bezels and Chassis Hardware	FPTCOSMKIT
Maintenance Kit with Fans, Front Panel Board, Cables and Other Chassis Hardware	FPTPMKIT

1. Availability of Intel Server Management is dependent on the server board used in the system.
2. Class A EMC compliance is based on integration with a validated Intel server board and configured as outlined in the SC5250-E Chassis Subassembly Installation Guide.



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

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