



Is there a 1U server chassis for entry-level servers and appliance applications?

Yes. The Intel® Entry Server Chassis SR1350-E is ideal for building cost-effective rack-mount servers and front-end appliance applications.

- Intel® Entry Server Chassis SR1350-E Product Brief



Designed for the Intel® Server Boards SE7501CW2, SE7501BR2, and SE7501HG2, the Intel Entry Server Chassis SR1350-E accommodates dual Intel® Xeon™ processors and features two drive bays for SCSI or ATA (IDE).



Intel® Entry Server Chassis SR1350-E

High-performance computing (HPC), clustering, and appliance applications are driving demand for cost-effective servers. At the same time, data-center space is at a premium and requires high-density rack-mount servers. To meet these needs, Intel offers the Intel® Entry Server Chassis SR1350-E. Delivering the value, functionality, and robust validation that Intel is known for, the Server Chassis SR1350-E is ideal for general-purpose and front-end appliance applications.

Configurable Solutions for Specific Markets and Applications

The Intel Entry Server Chassis SR1350-E is designed and validated to support multiple Intel server boards, providing a rich selection of configurable solutions for vertical markets such as education, content-creation computing, and government as well as for an array of small and medium-sized business applications. The Server Chassis SR1350-E includes one PCI-X riser card, accommodating one PCI adapter card; two drive bays for SCSI or ATA (IDE) fixed drives; and support for a slimline CD-ROM/floppy or DVD/floppy drive module. In addition, thermal-monitoring (available on select Intel server boards) and cooling capabilities—including seven fixed chassis fans and special processor ducting and baffling—make the Server Chassis SR1350-E an especially reliable platform for harnessing the power of dual Intel® Xeon™ processors.

Delivering Intel® Server Products Leadership Technologies

The Intel Entry Server Chassis SR1350-E offers an exceptional degree of value and performance by providing you and your customers a number of Intel Server Products Leadership Technologies¹. These cutting-edge technologies complement the capabilities of the most current Intel processors and chipsets and boost the ability of a given server to address new applications and markets:

- **Intel® Active Airflow Control** provides chassis thermal and fan control to keep servers cool and quiet.
- **Intel® Multi-Path Boot** makes systems resilient to even the most fundamental errors.
- **Intel® Power and Thermal Headroom** budgets power and thermal engineering for maximum performance.
- **Intel® Validation Stress Test Suite** helps to ensure data integrity on the latest high-performance servers.

For more information on Intel Server Products Leadership Technologies, please visit:

<http://developer.intel.com/design/servers/technologies/>



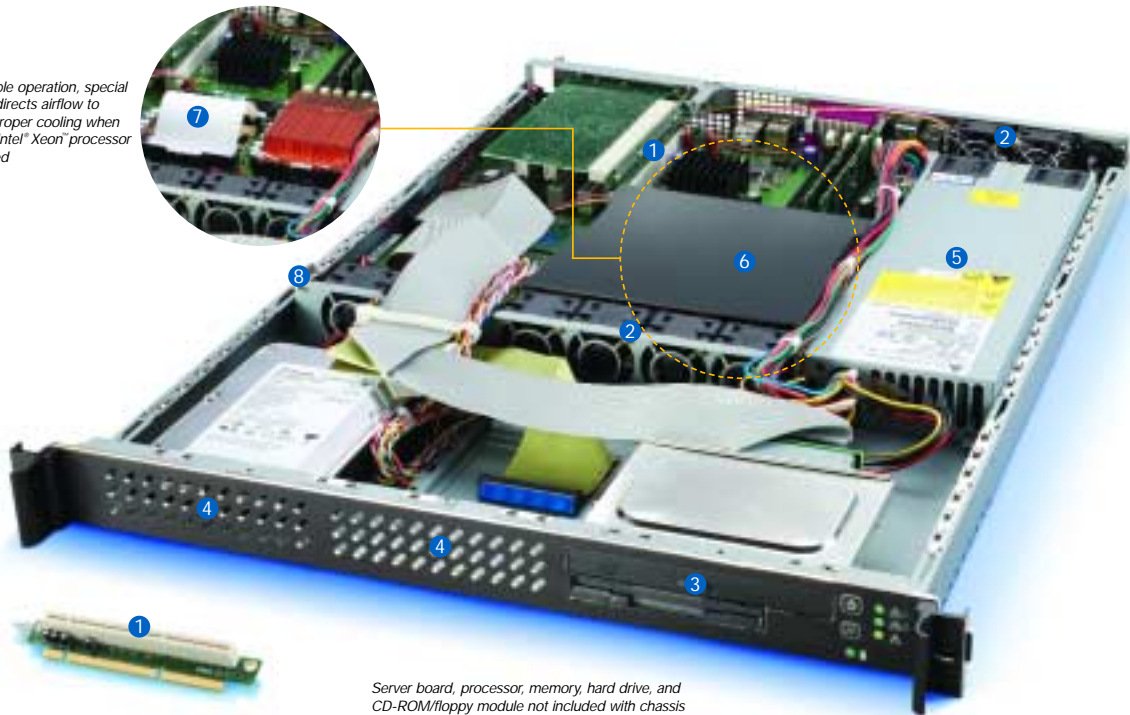
The Intel Entry Server Chassis SR1350-E provides one 350W fixed power supply with two fans, seven fixed chassis fans, and two fixed drives for ease of integration, low cost, and minimum maintenance.

The Intel Entry Server Chassis SR1350-E provides businesses a highly cost-effective way to grow their server solutions.



Intel® Entry Server Chassis SR1350-E

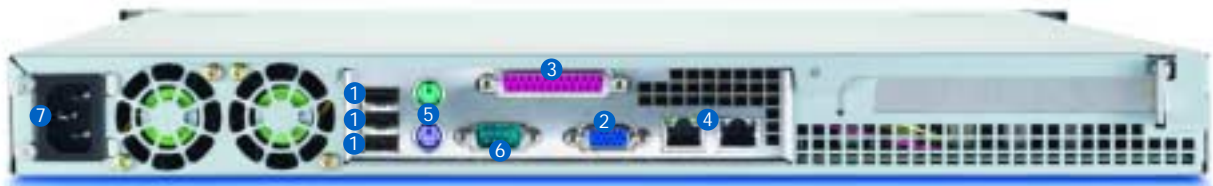
For reliable operation, special baffling directs airflow to ensure proper cooling when a single Intel® Xeon® processor is installed



Server board, processor, memory, hard drive, and CD-ROM/floppy module not included with chassis

Meticulous design, thorough validation, and extensive testing can mean less development work, higher quality, and faster time-to-market.

- 1. One PCI-X riser card
- 2. Seven fixed chassis fans
- 3. One drive bay designed for third-party slimline CD-ROM/floppy or DVD/floppy module²
- 4. Two SCSI or ATA (IDE) hard-drive bays
- 5. Single 350W PFC power supply with two fans
- 6. Processor duct
- 7. Processor baffle (used for single processor installations only)
- 8. Chassis intrusion switch



Intel Entry Server Chassis SR1350-E Rear Panel

Rear panel configuration may vary depending on server board installed

The Intel® Xeon™ processor, based on Intel® NetBurst™ microarchitecture and featuring Hyper-Threading Technology, offers the performance needed for demanding applications in entry-level server and appliance environments.

- 1. USB ports³
- 2. Video port
- 3. Parallel port
- 4. Ethernet ports⁴
- 5. PS/2 (mouse/keyboard) ports
- 6. Serial port (RJ-45)
- 7. Power receptacle

Intel® Entry Server Chassis SR1350-E

Features

Specifically designed for and validated with Intel® Server Boards⁵ SE7501CW2, SE7501BR2, and SE7501HG2

One 350W fixed power supply with two fans, seven fixed chassis fans, and two fixed drives

Special processor ducting and baffling

One PCI-X riser card

Chassis intrusion monitoring

Multiple international regulatory approvals⁶

Three-year limited warranty

Benefits

Support for high-performance Intel® Xeon™ processor-based systems to deliver high-density solutions

Ease of integration, low cost, and minimum maintenance

Advanced cooling for safely and reliably harnessing the power of dual Intel Xeon processors

Enables the addition of a high-throughput adapter card

Security

Reduced time to market and development investment

Peace of mind

Deliver industry-leading server technology and world-class customer support. With Intel, you can.



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.

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 have access to a wealth of sales and marketing support in the form of sales tools, videos, and high-quality images for advertising. For more information on the Intel server building blocks please visit:

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.



Complete Your Intel® Entry Server Chassis SR1350-E with Intel Server Building Blocks

Add these Intel server building blocks to your Intel Entry Server Chassis SR1350-E to provide a highly reliable, available, and scalable server:



Intel® Xeon™ Processors, based on Intel® NetBurst™ microarchitecture and Hyper-Threading Technology, can slice through the toughest business problems facing dynamic start-ups, large enterprises, and everything in between.



The Intel® Server Board SE7501CW2 supports dual Intel® Xeon™ processors and up to 8 GB of DDR200/266 SDRAM. Features dual Intel® Server Network Connections (one PRO/100+ and one PRO/1000).



The Intel® Server Board SE7501BR2 supports dual Intel® Xeon™ processors and 8 GB of DDR266 SDRAM. Features dual Intel Server Network Connections (one PRO/100+ and one PRO/1000), single Ultra320 SCSI, and Intel® Server Management.



The Intel® Server Board SE7501HG2 supports dual Intel® Xeon™ processors and 12 GB of DDR266 SDRAM. Features dual Intel PRO/1000 Server Network Connections, dual Ultra320 SCSI, and Intel Server Management.



Intel® Server Management monitors key server components and helps to solve many problems easily with integrated in-band and out-of-band remote management through LAN and modem connections, event logging and alerting through e-mail or paging devices, and proactive fault management. Intel Server Management is included with every boxed Intel Server Board SE7501BR2 and SE7501HG2 at no additional cost.



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 Gigabit Ethernet server adapters, help to reduce bottlenecks and boost availability with industry-leading performance and advanced server features.

Intel building blocks are validated to work together, helping to save you R&D, validation, and support expenses —and speed your time-to-market.

Use the Intel Entry Server Chassis SR1350-E to build the right solution for your customers. The Server Chassis SR1350-E⁵ is designed to support multiple Intel server boards for the flexibility, performance, quality, and reliability you expect from Intel.



Intel® Entry Server Chassis SR1350-E Specifications

Form Factor

1U rack-mount server chassis for EIA Standard 310-D racks; validated with Intel® Server Boards SE7501CW2, SE7501BR2, and SE7501HG2

Dimensions and Color

1.7" (height) x 16.9" (width) x 23" (depth); black trim

Hard-Drive Support

Two fixed SCSI or ATA/IDE drive bays (drive support is server board-dependent)

System Cooling

Seven fixed 40mm fans mounted in the chassis and instrumented to provide RPM data for fan-failure prediction and detection and two 40mm power-supply fans

Front Panel

LEDs	Power, hard-drive activity, network activity (two), and SSI system fault
Buttons	Power on/off (ACPI sleep), system-reset

Security

An intrusion switch that can be monitored by Intel® Server Management software

Environment

Ambient Temperature	Operating (system): 5°C to 35°C, with maximum change not to exceed 10°C; non-operating (system): -40°C to +70°C
Relative Humidity	Non-operating: 95% @ 35°C non-condensing
Acoustics	56–58 dBA (rack-mount) (server board-dependent) in an idle state in a normal office environment (23°C)
Electrostatic Discharge	15 kV per Intel test specification

Safety and EMC Regulatory Compliance (Class A)

EMC regulatory compliance is based on integration with a validated Intel server board¹ and configuration as outlined in the Intel® Entry Server Chassis SR1350-E Subassembly Product Guide

Country or Region	Certification Safety and/or EMC	Regulatory Marks Safety and/or EMC
Argentina	IRAM	Not required
Australia/ New Zealand	ACA, MED	C-Tick
Belarus	Bellis	Not required
Canada	UL/Industry Canada	cULus / ICES
China	CNCA	CCC
Europe	European Directives	CE
Germany	GS	GS
International	CB Report/CISPR	Not required
Japan	VCCI	VCCI
Korea	RRL	MIC
Russia	GOST	GOST
Taiwan	BSMI RPC	BSMI
United States	UL / FCC	CULus / FCC

Standard Power Supply

AC Power Supply	350W PFC
AC Voltage	4.96A at 115V, 2.48A at 220V
+5V	12A max
+5V Standby	2A max
+12V1	16A sustained
+12V2	16A sustained
-12V	0.5A max
+3.3V	16A max

Product, Spares, and Accessory Order Codes

The following table shows Intel® Entry Server Chassis SR1350-E product codes and spare kits. Please visit www.intel.com/go/serverbuilder for the most recent product updates.

Item	Order Code	Description
Intel® Entry Server Chassis SR1350-E (North American power cord included)	SR1350ENA	KDK, riser card, three I/O shields, 350W power supply, with North American power cord
Intel® Server Chassis SR1350-E (power cord not included)	SR1350E	KDK, riser card, three I/O shields, 350W power supply
Intel® Server Board SE7501CW2 ¹	SE7501CW2	Supports dual Intel® Xeon™ processors with a 533MHz system bus, based on the Intel® E7501 chipset, supports up to 8 GB of ECC DDR200/266 SDRAM
Intel® Server Board SE7501BR2 ¹	SE7501BR2	Supports dual Intel Xeon processors with a 533MHz system bus, based on the Intel® E7501 chipset, supports up to 8 GB of ECC DDR200/266 SDRAM, single Ultra320 SCSI
Intel® Server Board SE7501HG2 ¹	SE7501HG2	Supports dual Intel Xeon processors with a 533MHz system bus, based on the Intel® E7501 chipset, supports up to 12 GB of ECC DDR200/266 SDRAM, dual Ultra320 SCSI
SCSI Cable	AKASCSCABLE	SCSI cable and terminator
Spare Power Supply	FXXCBL350K	350W power supply
CD-ROM/Floppy or DVD/Floppy Kit ⁸	AKACDFLOPPY	Floppy cable, CD-ROM/DVD cable, mounting screws, interface boards (CD-ROM/floppy, DVD/floppy not included)
Chassis Spares Kit	FKAPMKIT	Two chassis fans, front panel board, front panel cable, air duct, PCI-X riser card, I/O shield and two gaskets, ATA (IDE) cable
Rail Kit	AXX1U2URAIL	Left and right rails (1/2 bearing), rail-installation instruction sheet, packaging
Bracket Kit	FXXBRACKETS	1U/2U rack brackets, including right front/mid bracket, left front/mid bracket, right rear bracket, left rear bracket, appropriate screws/washers

- Not all configurations of Intel server boards in this chassis support all these technologies. Please visit <http://developer.intel.com/design/servers/technologies/> for more information on Intel® Server Products Leadership Technologies.
- Slimline CD-ROM/floppy or DVD/floppy module is purchased from a third-party vendor but requires an accessory kit from Intel (product code AKACDFLOPPY) that is purchased separately from the chassis.
- Number of USB ports may vary based on the server board installed in the system.
- Number of Ethernet ports may vary based on the server board installed in the system.
- Please visit <http://support.intel.com> for the latest Intel server board support.
- When integrated as specified in the Intel® Server Board SE7501CW2, SE7501BR2, or SE7501HG2 (as applicable) Integration Guide. Please visit <http://support.intel.com/support/motherboards/server/> for details.
- Please visit www.intel.com/go/serverbuilder for more detailed information on this Intel server board.
- Does not include CD-ROM/floppy or DVD/floppy drive. Please visit <http://support.intel.com> for a list of compatible CD-ROM/floppy and DVD/floppy drives.

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

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