Product Brief

Intel® Server Chassis SC5275-E
- Support for Dual Intel® Xeon™ Processors
- Extensive Storage Capacity
- Power and Thermal Headroom

Intel® Entry Server Chassis SC5275-E

A powerful, reliable, and cost-effective chassis solution for dependable and versatile applications

The Intel® Xeon™ processor, with up to 2MB Advanced Transfer Cache, Hyper-Threading Technology, and the Intel NetBurst® microarchitecture, provides remarkable levels of performance and reliability.

Intel® Entry Server Chassis SC5275-E

Entry-level servers or high-end workstations require a chassis that blends performance and cost-effectiveness while offering the power and reliability essential to run diverse applications dependably. Such a chassis should also be highly flexible—configurable with a variety of boards, storage options, power supplies, and drives so that small and medium-sized businesses and workgroups can easily expand or enhance their server or workstation solution. Intel offers such a chassis in the Intel® Entry Server Chassis SC5275-E.

Cost-Effective Performance in a Highly Versatile Server Chassis

The Intel Entry Server Chassis SC5275-E offers the cost-effective performance advantages of support for dual Intel® Xeon™ processors and the flexibility of a fixed drive-bay configuration fully upgradable to hot-swap Serial ATA (SATA) or hot-swap SCSI. Flexibility is furthered by the chassis' support for three Intel server boards: the Intel® Server Board SE7320SP2, for general-purpose server applications; the Intel® Server Board SE7525GP2, for high-end graphics-workstation[1] or entry-level server applications; and the Intel® Server Board SE7520BD2 for workgroup server applications.

Outstanding Reliability for Value Applications

Reliability is vital for applications supporting smaller businesses and workgroups, and for this reason the Entry Server Chassis SC5275-E endures rigorous validation testing that surpasses most industry standards. The chassis also supports sophisticated Intel server technologies specifically designed to boost reliability as well as simplify server administration and maintenance.

To provide an adequate cooling-to-noise ratio, the Intel® Entry Server Chassis SC5275-E can be upgraded with an optional Workstation Cooling Kit.

Intel® Server Chassis SC5275-E Features and Benefits

Features	Benefits
Specifically designed for and validated with Intel® Server Boards SE7320SP2, SE7525GP2, and SE7520BD2	Performance, reliability, and easy integration
600W fixed PFC power supply; two fans for cooling the main chassis and one for cooling the power supply	Power and thermal capabilities for a robust workstation or server solution
Six fixed-drive bays upgradable to one-inch SATA or Ultra320 SCSI hot-swap bays	Easily expandable and reconfigurable storage capacity
Two 5.25–inch peripheral drive bays and one 3.5–inch flexible drive bay	Configuration flexibility
Extensive international safety and EMC regulatory approvals	Reduced time-to-market and development investment
Support for optional Intel® Local Control Panel[2]	Ease of server monitoring and management

Intel® Entry Server Chassis SC5275-E

Intel® Entry Server Chassis SC5275-E – Front View
1. Front-access USB and serial ports
2. Tool-less side-panel removal
3. Two 5.25–inch bays
4. Support for optional Intel® Local Control Panel[2]
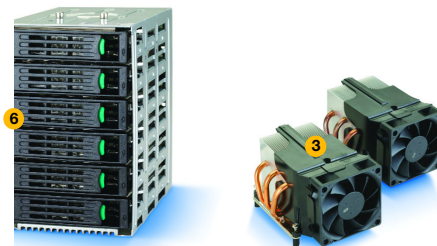5. Support for six fixed or hot-swap hard drives

Intel® Entry Server Chassis SC5275-E – Rear View
1. 600W PFC power supply
2. Lock loop

Intel® Entry Server Chassis SC5275-E – Side View
1. Validated with Intel® Server Boards SE7320SP2, SE7525GP2, and SE7520BD2 *(server board not included with chassis)*
2. 600W PFC power supply
3. Optional Workstation Cooling Kit
4. Two 5.25–inch peripheral drive bays and one 3.5–inch flexible drive bay
5. Support for optional Intel® Local Control Panel[2]
6. Six fixed-drive bays upgradable to one-inch SATA or Ultra320 SCSI hot-swap bays

The Intel® Entry Server Chassis SC5275-E Supports Technologies That Define Innovation[3]

The Intel® Entry Server Chassis SC5275-E supports a number of sophisticated Intel server technologies designed specifically to address the needs of businesses and workgroups for a cost-effective and powerful work-station or server solution. **Intel® Light-Guided Diagnostics** and the optional **Intel® Local Control Panel**[2] ease server monitoring and simplify server troubleshooting. **Intel® Active Airflow Control** and **Intel® Cable Reduction Technology** address problems of noise, heat, and equipment complexity that are common in smaller workspaces.

In addition, the Entry Server Chassis SC5275-E features **Intel® Power and Thermal Headroom**, which enhances performance and provides room for growth, and **Intel® Drive Stabilization Technology,** which helps to deliver server reliability.
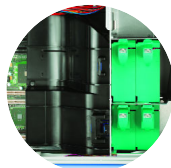
Intel server technologies provide powerful capabilities designed to make server systems more reliable, more available, and easier to service. Seamlessly integrated into the latest generation of Intel® Server Products, these technologies work in concert to complement the capabilities of the most current Intel processor and chipset technologies.

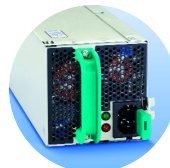Intel® Light
Guided Diagnostics

Intel® Local
Control Panel

Intel® Active
Airflow Control

Intel® Cable
Reduction
Technology

Intel® Power and
Thermal Headroom

Intel® Drive
Stabilization
Technology

For more information on these technologies, please visit:
http://developer.intel.com/design/servers/technologies/

Compatible Products for Comprehensive Solutions

The following table provides a list of key compatible products for the Intel® Entry Server Chassis SC5275-E.

Please see **http://support.intel.com** for the most recent and comprehensive product compatibility list.

Intel Building Block	Product Name(s)	Order Code(s)
Intel® Server Chassis	**Intel® Entry Server Chassis SC5275-E**	**SC5275-E**
Intel® Server Boards	**Intel® Server Board SE7320SP2**	**SE7320SP2**
	Intel® Server Board SE7525GP2 **Intel® Server Board SE7520BD2**	**SE7525GP2** **SE7520BD2** **SE7520BD2SCSI**
Intel® Server Accessories	**Six-Drive SATA Hot-Swap Drive Bay** **Six-Drive SCSI Hot-Swap Drive Bay** **Workstation Cooling Kit** **Maintenance Kit**	**AXX6SATADB** **AXX6SCSIDB** **APT2WKTCOOLKIT** **FPT2PMKIT**

For a complete list of spares and accessories, see the Intel® Server Board SE7320SP2, Intel® Server Board SE7525GP2, and Intel® Server Board SE7520BD2 Configuration Guides at http://support.intel.com/

Take advantage of full Intel's experience in providing a full complement of solution-level server products by pairing the Intel® Entry Server Chassis SC5275-E with the Intel® Server Board SE7302SP2, the Intel® Server Board SE7525GP2, or the Intel® Server Board SE7520BD2.

Intel® Entry Server Chassis SC5275-E Specifications

Form Factor

Pedestal	SSI Entry E-Bay 3.0–compatible

Dimensions and Color

Height 17.5", Width 9.28", Depth 19.1" (445 mm x 236 mm x 485 mm)

Black (Intel Color Standard GE 701)

Hard-Drive-Bay Support

Fixed (shipping configuration)	Up to six SATA, Ultra320 SCSI[4], or IDE (one-inch height)
Hot-Swap Upgrade Support	Up to six SATA or Ultra320 SCSI[4] (one-inch height)
SCSI Backplane	LVD with SAF-TE
External Peripheral Bays	Up to two[5] at 5.25" (1.75" height) and one at 3.5" (floppy)

System Cooling (shipping configuration)

Two fans positioned for cooling the main chassis and one for cooling the power supply; monitored by Intel® Server Management 8 when this software is installed

Power Delivery

DC Power Supply	600W PFC
AC Voltage	100–127 / 200–240 V~; 6.5 / 3.2A[6]
+5V	24A maximum
+5V Standby	2A maximum
+12V	43A continuous
+3.3V	20A maximum
−12V	0.5A maximum

Front Panel

Buttons and Switches	Power on/off (momentary) button, system-reset button, ACPI sleep switch, tool-activated NMI switch
LEDs	Power, system status, NIC activity (two), HDD activity
Connectors	USB port, serial port

Security

A mechanical lock on the front bezel, a padlock loop, and an intrusion switch that can be monitored by Intel® Server Management 8

Environment

Ambient Temperature	Operating: +10°C to +35°C; non-operating: −40°C to +70°C
Relative Humidity	Non-operating: 95% @ +30°C non-condensing
Acoustics	Server Configuration – Sound Power (LwAd in BA): 6.0
	Workstation Configuration[7] – Sound Power (LwAd in BA): 5.6
Electrostatic Discharge	15kV per Intel test specification

Safety and EMC Regulatory Compliance (Class A)

(EMC regulatory compliance is based on integration with a validated Intel server board and configuration as outlined in the Intel® Entry Server Chassis SC5275-E subassembly guide.)

Country	Certification *(Safety and/or EMC)*	Regulatory Marks *(Safety and/or EMC)*
Australia/New Zealand	ACA, MED	C-Tick
Canada	UL / Industry Canada	cULus / ICES
Europe	European Directives	CE
International	CB Report / CISPR	Not applicable
Japan	VCCI	VCCI
Korea	RRL	MIC
Russia	GOST	GOST
Taiwan	BSMI RPC	BSMI
United States	UL / FCC	cULus / FCC

[1] For workstation-level acoustics the Intel® SC5275-E Workstation Cooling Kit (APT2WKTCOOLKIT) should be used.

[2] The Intel® Local Control Panel requires the purchase and installation of an optional Intel® Management Module upgrade.

[3] Features may vary depending on system configuration and may require purchase and installation of an optional Intel® Management Module upgrade.
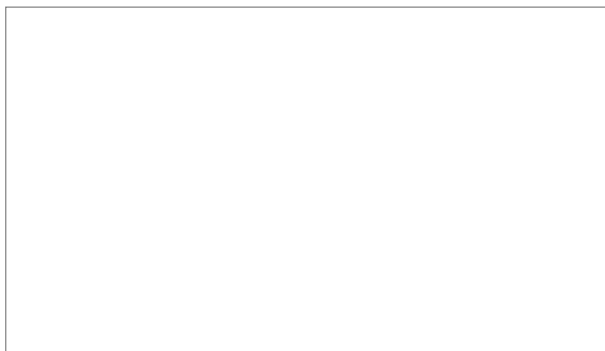
[4] The Ultra320 SCSI drive bays are compatible with Ultra2 SCSI.

[5] The SC5275-E supports up to two drive bays. The shipping configuration includes two sets of rails; additional rails are available with order code FHD2HWKT.

[6] The maximum amperage represents the value at which the chassis is rated.

[7] Includes Workstation Cooling Kit (APT2WKTCOOLKIT).

For more information on how to make the Intel® Entry Server Chassis SC5275-E part of your server environment, please contact an Intel® Channel Membership Programs participant.