



Product Brief

Intel® Server Chassis
SC5299-E

Intel® Server Chassis SC5299-E

A Reliable, Quiet, and Flexible Server Chassis for Entry Level Server and Workstation Applications



Product Overview

Expanding businesses are finding that working in constrained office space with minimal IT staff is challenging to their growth. As a result, small and medium sized businesses are finding they need entry-level and general-purpose servers and workstations to support their growth. Concerns over data security and reliability, as well as strong data protection and ease of retrieval, are critical elements in their technology planning.

The Intel® Server Chassis SC5299-E offers an ideal server solution for email, web hosting, database management, and file and application servers. To simplify integration and maintenance, the SC5299-E offers toolless features on all drives, bays and fans. This server is designed for both rack and pedestal needs and supports up to two 5.25" and one 3.5" devices.

An exceptionally quiet chassis, the SC5299-E has flexible hard drive bay configurations, both fixed and hot-swap power supply options, and six full length, full height PCI slots. The SC5299-E was designed to complement and support next-generation Intel® Server Boards S5000VSA, S5000PSL, and S5000XVN.



Chassis Specifications

Chassis

Configuration

Chassis Order Code¹

Form Factor

Intel® Server Board Support

Drive Bays

Hot-Swap Disk Drive Bay: Order Code

System Cooling

Power Supply

Redundant Power Capable

Toolless Features

Pedestal Dimensions (H x W x D)

Rack Dimensions (H x W x D)

Bezel Features

Front Connectors

Intel® Server Chassis SC5299-E

	DP	WS	BRP
	SC5299DP SC5299DPNA	SC5299WS SC5299WSNA	SC5299BRP SC5299BRPNA
	Pedestal and Rack	Pedestal and Rack	Pedestal and Rack
	Intel® Server Board S5000PSL, S5000VSA	Intel® Server Board S5000XVN	Intel® Server Board S5000PSL, S5000VSA
	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays	6 x fixed hard drives 1 x 3.5" floppy 2 x 5.25" bays
	One fixed drive bay for up to six fixed drives. Optional six hot-swap drive bays via one of the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA Expander—AXX6DRV3GEXP 6 drive SAS/SATA—AXX6DRV3G 6 drive SCSI—AXX6SCSIDB (S5000VSA only)	One fixed drive bay for up to six fixed drives. Optional six hot-swap drive bays via one of the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA Expander—AXX6DRV3GEXP 6 drive SAS/SATA—AXX6DRV3G	One fixed drive bay for up to six fixed drives. Optional six hot-swap drive bays via one of the following hot-swap disk drive bay upgrade kits: 6 drive SAS/SATA Expander—AXX6DRV3GEXP 6 drive SAS/SATA—AXX6DRV3G 6 drive SCSI—AXX6SCSIDB (S5000VSA only)
	One toolless system fan	One toolless system fan and one fixed drive bay cooling fan	One toolless system fan
	550-watt PFC	670-watt PFC	650-watt 1+0 PFC
	Upgradable using FPP4BRPCAGE	Upgradable using FPP4BRPCAGE	Yes. Optional second power supply sold separately
	Peripheral bays, fixed hard drive bay, optional hot-swap bays, system fan, PCI slots	Peripheral bays, fixed hard drive bay, optional hot-swap bays, system fan, PCI slots	Peripheral bays, fixed hard drive bay, optional hot-swap bays, power supplies, system fan, PCI slots
	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)	17.8" (452 mm) x 9.256" (235 mm) x 19" (483 mm)
	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)	9.256" (235 mm) x 17.6" (447 mm) x 19" (483 mm)
	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED	Lockable, Black, Support for Intel® Local Control Panel: AXXLCPED
	2 x USB	2 x USB	2 x USB

Specifications for all Intel® Server Chassis SC5299-E Configurations

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

Please see <http://support.intel.com/support/motherboards/server/chassis/sc5299-e>

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 SC5299-E subassembly guide.)

Region	Certification Safety and/or EMC	Regulatory Mark Safety and/or EMC
Australia/ New Zealand	ACA, MED	C-Tick
Canada	UL / Industry Canada	cURus / ICES
China	CNCA	CCC
Europe	European Directives	CE
Germany	GS	NEMKO GS
Inter- national	CB Report/ CISPR	Not applicable
Japan	VCCI	Not applicable
Korea	RRL	MIC
Taiwan	BSMI RPC	BSMI
United States	UL / FCC	cULus / FCC



To build your system and get more details on server configurations from Intel visit:
www.intel.com/go/serverconfigurator

For more details on the Intel® Server Chassis SC5299-E please see:
support.intel.com/support/motherboards/server/chassis/sc5299-e

For more information on how to make the Intel® Server Chassis SC5299-E part of your server environment, please contact an Intel® Channel Partner Program participant.

¹ North American power cord included in order codes ending in NA, power cord not included in all other order codes.

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