

# Intel® Server Board S5000VSA , Intel® Entry Server Chassis SC5299-E, Spares / Parts List and Configuration Guide

**A reference guide to help customers order the necessary components to configure the  
Intel® Server Board S5000VSA and Intel® Entry Server Chassis SC5299-E**

**Rev 1.05  
Subject to Change**

**April, 2010**

## Change History:

05/03/06 Rev 1.00: Updated with Intel® Server Board S5000VSA production information  
09/19/06 Rev 1.01: Updated with SC5299-E accessories (Slim-line CD internal floppy kit)  
09/19/06 Rev 1.02: Updated with latest MM# order codes following PCN 106671-02.  
08/07/07 Rev 1.03: Refresh updates.  
08/07/07 Rev 1.04: Updated with latest MM# order codes.  
10/04/22 Rev 1.05: Updated with latest MM# order codes.

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## Production Configurations

### Production Board and KDKs

This section contains information you need to order the production Intel® Server Board S5000VSA and Intel® Entry Server Chassis SC5299-E.

- 1. The production 8-DIMM SATA boxed server board S5000VSASATAR contains the following:**
  - One Intel® production 8-DIMM SATA baseboard SKU S5000VSASATAR
    - CEK spring clips
    - ATX I/O shield and gasket
    - Cables: IDE, COM2, and SATA
    - Resource CD-ROM with utilities, drivers, documentation, and technical information
  
- 2. The production 4-DIMM SATA boxed server board S5000VSA4DIMMR contains the following:**
  - One Intel® production 4-DIMM SATA baseboard SKU S5000VSA4DIMMR
    - CEK spring clips
    - ATX I/O shield and gasket
    - Cables: IDE, COM2, and SATA
    - Resource CD-ROM with utilities, drivers, documentation, and technical information
  
- 3. The production 8-DIMM SATA w/single channel SCSI adapter card boxed board S5000VSASCSIR contains the following:**
  - One Intel® production 8-DIMM SATA baseboard SKU S5000VSASCSIR
    - Single channel SCSI adapter card
    - CEK spring clips
    - ATX I/O shield and gasket
    - Cables: SCSI, IDE, and COM2
    - Resource CD-ROM with utilities, drivers, documentation, and technical information
  
- 4. The production Intel® 8 DIMMs SAS boxed server boards S5000VSASAS contain the following:**
  - One production Intel® 8 DIMMs SAS baseboard SKU S5000VSASAS
    - Four SAS ports and two SATA ports
    - CEK spring clips
    - ATX I/O shield and gasket
  - Cables: IDE, COM2, and SATA
  - Resource CD-ROM with utilities, drivers, documentation, and technical information.

**5. The production Intel® Server Chassis SC5299DP SKU includes:**

- Non-redundant 550-W PFC power supply
- One non-redundant 120 mm cooling fan
- Support for six, tool-free non-hot-swap hard drives. Upgradeable to hot-swap SAS/SATA 6-drive bay.
- Cables (one each):
  - Front Panel Cable (24-pin baseboard header to front panel)
  - USB Cable (USB header to chassis front panel)
- Chassis intrusion switch assembly
- Quick Start Guide
- Note:
  - No AC power cords are included
  - The Intel® Entry Server Chassis SC5299DP is designed to work with boxed Intel processors that include an active heat sink.

**6. The production Intel® Server Chassis SC5299BRP SKU includes:**

- Redundant (1+0) 650-W PFC power supply with dual-line cord support (full redundancy requires additional 650-W module which you must purchase separately)
- One non-redundant 120 mm cooling fan
- Support for six, tool-free non-hot-swap hard drives. Upgradeable to hot swap SAS/SATA 6-drive bay.
- Cables (one each):
  - Front Panel Cable (24-pin baseboard header to front panel)
  - USB Cable (USB header to chassis front panel)
- Chassis intrusion switch assembly
- Quick Start Guide
- Note:
  - No AC power cords are included
  - The Intel® Entry Server Chassis SC5299BRP is designed to work with boxed Intel processors that include an active heat sink.

**7. Common accessories include:**

- Hot Swap Drive Bays (all the following drive bays require the APP3HSDBKIT bracket kit when installing in an Intel® Server Board SC5299 chassis):
  - AXX6DRVGEXP: Expander-based 6-drive hot swap bay that supports SAS/SATA drives. Requires two free SAS ports from the integrated SAS controller, ROMB card, or SAS RAID card.
  - AXX6DRV3G: 6-drive hot-swap bay that supports SAS/SATA drives. Requires six free SAS or SATA ports. SAS hard drive support requires SAS connectors from a SAS-enabled board SKU, ROMB card, or SAS RAID card.
  - AXX6SCSIDB (for S5000VSA board only): 6-drive hot-swap bay that supports SCSI drives. Requires six, free SCSI ports from add-on SCSI HBA or raid card.

- APP3RACKIT: Rack conversion kit

## Production Order Codes

### Board – Production

Product Code	MM #	UPC	Qty. Included	Description
S5000VSASATAR	901745	00735858 196116	1	Production 8-DIMM SATA Boxed Board S5000VSASATAR with six SATA ports and Dual GbE support. Includes I/O shield, gasket, cables, and Intel® Server Deployment CD.
S5000VSA4DIMMR	901741	00735858 196093	1	Production 4-DIMM SATA Boxed Board S5000VSA4DIMMR with six SATA ports and Dual GbE support. Includes I/O shield, gasket, cables, and Intel® Server Deployment CD.
S5000VSASASR	901746	00735858 196109	1	Production 8-DIMM SAS Boxed Board S5000VSASASR, with four SAS port, two SATA ports, and Dual GbE support. Includes I/O shield, gasket, cables, and Intel® Server Deployment CD.
S5000VSASCSIR	901744	00735858 196123	1	Production 8-DIMM SATA Boxed Board w/ <u>Single Channel SCSI Adapter Card Bundle</u> S5000VSASCSIR with six SATA ports and Dual GbE support. Includes I/O shield, gasket, cables, and Intel® Server Deployment CD.
BSA2BBR	901742	00735858 196208	10	Production 8-DIMM SATA OEM 10-pack boards with six SATA ports and Dual GbE support.
BSA2SASBBR	901747	00735858 196215	10	Production 8-DIMM SAS OEM 10-pack boards with four SAS ports, two SATA ports, and Dual GbE support.
BSA2VBBR	901743	00735858 196222	10	Production 4-DIMM SATA OEM 10-pack boards with six SATA ports and Dual GbE support.

Production Board Accessories

ASLIO	877948	00735858 180733	50	50 Pack: I/O shield and gasket
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Production Chassis

Product Code	MM #	UPC	Qty. Included	Description
SC5299DP	877875	00735858180 320	1	Intel® Server Chassis SC5299DP with 550-W fixed PSU, 1 chassis fan, rackable (requires rack kit), supports up to six fixed drives, upgradeable to six hot-swap drives (SAS or SATA). Supports Intel® Server Board S5000VSA. No North American power cord.
SC5299DPNA	880985	00735858182 959	1	Same as Intel® Server Chassis SC5299DP but with North American power cord.
SC5299BRP	877864	00735858180 344	1	Intel® Server Chassis SC5299BRP Base Redundant Power with one of two 650-W redundant PSU, 1 chassis fan, rackable (requires rack kit), supports up to six fixed drives, upgradeable to six Hot-Swap drives (SAS or SATA). Supports Intel® Server Board S5000VSA. No North American power cord.
SC5299BRPNA	881190	00735858182 942	1	Same as Intel® Server Chassis SC5299BRP but with North American power cord.

Production Chassis Accessories

Product Code	MM #	UPC	Qty. Included	Description
AXX6DRV3GEXP	877235	0073585818 0283	1	Intel® Server Chassis SC5400/SC5299-E 6-drive hot swap with expander SATA/SAS backplane assembly. Compatible with either SAS or SATA 3.5-inch hard drives. Includes: Board, six drive carriers, two Data cables, 6-drive bay, IPMB cable, common installation guide, and SATA/SAS configuration label.
AXX6DRV3G	877237	0073585818 0306	1	Intel® Server Chassis SC5400/SC5299-E 6-drive hot swap non-expanded SATA/SAS supported backplane assembly. Compatible with either SAS or SATA 3.5-inch hard drives. Includes: Board, six drive carriers, six Data cables, 6-drive bay, IPMB cable, SES cable and SGPIO cable, common installation guide, and SATA/SAS configuration label.
AXX6SCSIDB	880535	0073585816 4764	1	(For Intel® Server Board S5000VSA only) 6-drive SCSI hot-swap drive bay for Intel® server chassis SC5299-E. Includes: Backplane board, six drive carriers, cables, 6-drive bay, common installation guide, and configuration label.
APP3HSDBKIT	882456	0073585817 7450	1	Hot-swap adapter bracket for use with all Intel® Server Chassis SC5299-E and Intel® Server Chassis SC5295 (except SC5295UP) chassis.  <b>This accessory is required when using the 6-drive SATA/SAS or SCSI hot-swap drive bay.</b>

APP3RACKIT	882457	0073585817 7375	1	Rack conversion kit for Intel® Server Chassis SC5295/SC5299-E chassis family. Includes rack rails and hardware for rack
APP4650WPSU	878018	0073585818 0375	1	2 <sup>nd</sup> Redundant 650-W PSU for Intel® Server Chassis SC5299BRP. Two modules are required for PSU redundancy.
AXXCDUSBFDBRK	879232	0073585818 0627	1	Slim-line CD/Floppy USB kit (does not contain the drives).Permits installation of a slim-line floppy (via USB) and a slim-line optical drive in one 5.25-inch peripheral
AXXSCD	885100	0073585816 9271	1	Slim-line CD for use with Intel® Server Chassis SC5299-E adapter AXXCDUSBFDBRK.
AXXUSBFLOPPY	881267	0073585818 3260	1	Internal slim-line floppy kit for SR2500 or SR1500. You can use the slim-line USB floppy drive in this kit with AXXCDUSBFDBRK and a slim-line optical device.

Production Chassis Spares

Product Code	MM #	UPC	Qty. Included	Description
AXXDVDCDR	880559	0073585816 4962	1	DVD/CDR slim-line drive for SC5300. Supports DVD/CD and CD-W works with SC5299-E adapter AXXCDUSBFDBRK.
APP3STDBEZEL	871862	0073585817 7474	1	Spare bezel with door for Intel® Server Chassis SC5295DP/WS/BRP and SC5299-E.
FPP4550WPSU	878012	0073585818 0351	1	Spare 550-W PSU for Intel® Server Chassis SC5299DP.
FPP4BRPCAGE	878014	0073585818 0368		Spare Intel® Server Chassis SC5299BRP redundant power supply cage. Also used to upgrade Intel® server chassis SC5299DP/WS to redundant power config.  <b>Requires 1 (or 2) APP4650WPSU to complete upgrade.</b>  Includes PDB and filler (for empty module when only one
FPP4FANKIT4W	877984	0073585818 0405	1	Intel® Server Chassis SC5299-E 4 wire fan kit. Includes (1) 92mm for SC5299WS and (1) 120mm fan for SC5299-E



FPP4PMKIT	878019	0073585818 0382	1	<p>Intel® Server Chassis SC5299-E Preventive maintenance kit includes the following:</p> <ul style="list-style-type: none"> <li>• (2) Plastic slides from fixed drive bay</li> <li>• (1) CPU Duct</li> <li>• (1) Intrusion Switch Assembly</li> <li>• (1) USB Cable</li> <li>• (1) Plastic fan bracket</li> <li>• (1) Front Panel board (new for PP4)</li> <li>• (1) Front panel cable (24-pin for PP4)</li> <li>• (1) Front Panel Board (new for PP4)</li> <li>• (1) Power supply adapter Plate (for fixed PS)</li> <li>• (1) Power supply tool-less PS lock</li> <li>• (4) Chassis feet</li> <li>• (1) Memory PP4 duct</li> <li>• (1) 120 MM Fan (4-wire PP4 new fan)</li> <li>• (1) 92 MM fan (4-wire Intel® Server Chassis SC5299E)</li> <li>• (1) Fixed HDD Fan Plate</li> <li>• (1) 92 MM plastic Fan Bracket</li> </ul>
FXXPP4FPBRD	877393	0073585818 0399	1	Spare front panel for Intel® Server Chassis SC5299-E chassis.
PWRCABLEUS	816324	0073585816 2883		Spare RoHS compliant North America power cable.
FXX10DVCARBLK	880265	0073585818 1938	1 0	Spare 10-pack Hot-Swap drive carriers.