Intel® Server Board S5500BC,
Intel® Server Chassis SC5650,
Intel® Server System SR1630BC,
Intel® Server System SC5650BCDP
Spares / Parts List & Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Server board S5500BC/ S5500BCR, Intel® Server chassis SC5650 and Intel® server system SR1630BC/ SR1630BC and SC5650BCDP/ SC5650BCDPR

Revision 2.6

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Enterprise Platforms and Services Marketing

Change History:

Date	Revision Number	Modifications
3/09	1.0	Production Release
4/09	1.1.2	Added Zu130 mounting kit. Remove AXXHERAIL and AXXRACKCARM
4/09	1.1.3	Added section for Intel® System Management Software
6/09	1.1.4	Updated Production RAID Controller section
7/09	1.1.5	Updated RMM3 section
	1.1.6	Updated box board content and picture of AXXZU130KIT mounting kit
8/28	1.1.7	Added 2.5" Hard Disk Drive Carrier Kit AXX25DRVADPTR
9/13	1.2.0	Add Intel Server System SC5650BCDP section Add L5508 and L5518 processor Remove AXXZU130KIT. Added VMWare* vSphere* configuration guide section
10/9	1.21	Modify the Product Descriptions of VMWare* vSphere* configuration guide section
12/09	1.2.2	Product Code and MM number refresh for chipset stepping change.
2/10	1.2.3	The MM# AXXSATADVDROM is updated
3/10	2.0	Adding reference support for Intel® Xeon® processor 5600 series
4/10	2.1	Adding Intel® Server System SR1630BCR SKU's
5/10	2.2	Removed AXXCMA3U7U
6/10	2.3	Update UPC code for SRCSATAWB，SRCSASJV，SRCSASPH16I
6/11	2.4	Removed AXXLCPPED
6/12	2.5	Remove Lenovo skus
7/12	2.6	Add: Intel® Server Continuity Suite

Disclaimer

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Production Configurations

Production Board

This section contains information needed to order Production Intel® Server Board S5500BC/ S5500BCR, Intel Server Chassis SC565; Intel Server System SR1630BC/ SR1630BCR; and Intel Server System SC5650BCDP/ SC5650BCDPR

1.   The production Intel® boxed Server Board S5500BC/ S5500BCR contain the following:

- One baseboard with Common Enabling Kit (CEK) spring clips

- ATX I/O shield and label

- Quick Start User's Guide

- Cables: 4 SATA cables

- Resource CD-ROM with utilities, drivers, documentation and technical information

- ISMS 3.x DVD

- Compatible with Intel® Xeon® processor 5500 series and 5600 series

2.   The production OEM 10-packs of Intel® Server Boards contain the following:

- Each baseboard with Common Enabling Kit (CEK) spring clips

- Compatible with Intel® Xeon® processor 5500 series and 5600 series

Production chassis

1.   The production Intel® Server Chassis SC5650DP SKU includes:

- Non-redundant 600W PFC power supply

- Three non-redundant cooling fan

- Support for up to six tool-free non hot-swap 3.5" SATA hard drives. Upgradeable to hot swap SAS/SATA 6-drive bay.

- Note: Check the Power budget spreadsheet for supportable hard drive, memory and PCI configurations.

- Quick Start User's Guide

- Cables (one each):

- Front Panel Cable (baseboard header to front panel)

- USB Cable (USB header to chassis front panel)

- AC power cord is included in SC5650DPNA

- Chassis intrusion switch assembly

- Five Bumpers for installing Intel® Server Board SC5500BC/ SC5500BCR

- The chassis is designed to work with boxed Intel® Xeon® processor 5500 series and 5600 series using Intel® Thermal Solution STS100C (Combo) or STS100A (Active).

2. **The production Intel® Server Chassis SC5650BRP SKU includes:**

- Redundant (1+0) 600W high efficiency PFC power supply with dual line cord support (full redundancy requires additional 600W module purchased separately)

- Three non-redundant cooling fan

- Support for up to six tool-free non hot-swap 3.5" SATA hard drives. Upgradeable to hot swap SAS/SATA 6-drive bay.

- Note: Check the Power budget spreadsheet for supportable hard drive, memory and PCI configurations.

- Quick Start User's Guide

- Cables (one each):

- Front Panel Cable (baseboard header to front panel)

- USB Cable (USB header to chassis front panel)

- AC power cord is included in SC5650BRPNA

- Chassis intrusion switch assembly

- Five Bumpers for installing Intel® Server Board SC5500BC/ SC5500BCR

- The chassis is designed to work with boxed Intel® Xeon® processor 5500 series and 5600 series using Intel® Thermal Solution BXSTS100C (Combo) or BXSTS100A (Active).

3. **Common accessories include:**

- Hot Swap Drive Bays:

- AXX6DRV3GEXP: Expander-based 6-drive bay that supports SAS/SATA drives. Requires two free SAS ports from the SAS module purchased separately or SAS RAID card.

- AXX6DRV3GR: 6-drive bay that supports SAS/SATA drives. Requires six free SAS or SATA ports. SAS hard drive support requires SAS connectors from a SAS module purchased separately or SAS RAID Card.

- APPT600WHPSU: Additional 600W power supply module- required for full redundancy for SC5650BRP only.

- APPTHSDBKIT: Cooling and mounting kit required for 6-drive hot-swap backplanes installed in the SC5650 chassis family. This Kit should be used with AXX6DRV3GR.

- APP3HSDBKIT: Cooling and mounting kit required for 6-drive hot-swap backplanes installed in the SC5650 chassis family. This Kit should be used with AXX6DRV3GEXP.

- AXXRAKSW5: Intel® RAID Activation Key AXXRAKSW5 to enable Intel Embedded RAID technology for SAS and/or SATA Software RAID 5 on S5500BC board and SR1630BC system.

Production Integrated 1U System

1. **The production Intel® integrated Server System SR1630BC/ SR1630BCR SKU includes**

- One pre-installed production Intel® Server Board S5500BC/ S5500BCR

- Non redundant high efficiency 400W PFC power supply

- Two non-redundant cooling fan

- Support for up to two non hot-swap 3.5" SATA hard drives.

- One riser card

- Slim-line CD-ROM bay

- Basic rail kit

- Cables :

- Front Panel Cable (baseboard header to front panel)

- USB Cable (USB header to chassis front panel)

- Two SATA cables

- AC power cord is included in SR1630BCNA/ SR1630BCRNA

- The system is designed to work with boxed Intel® Xeon® processor 5500 series and 5600 series using Intel® Thermal Solution STS100P (passive)

Production Integrated 5U System

1. **The production Intel® integrated Server System SC5650BCDP/ SC5650BCDPR SKU includes**

- One pre-installed production Intel® Server Board S5500BC/ S5500BCR

- Non-redundant 600W PFC power supply

- Three non-redundant cooling fan

- Support for up to six tool-free non hot-swap 3.5" SATA hard drives. Upgradeable to hot swap SAS/SATA 6-drive bay.

- Note: Check the Power budget spreadsheet for supportable hard drive, memory and PCI configurations.

- Quick Start User's Guide

- Four SATA Cables

- One Front Panel Cable (baseboard header to front panel)

- One USB Cable (USB header to chassis front panel)

- AC power cord is included in SC5650DPNA/ SC5650DPRNA

- Chassis intrusion switch assembly

- The chassis is designed to work with boxed Intel® Xeon® processor 5500 series and 5600 series using Intel® Thermal Solution STS100C (Combo) or STS100A (Active).

Production Order Codes

Production Board

Picture	Product Code	MM #	UPC	MOQ	Description
	S5500BC	900774	00735858208109	5	Boxed Intel® Server Board S5500BC. (Includes I/O shield, cables, resource CD and ISMS DVD)
	BB5500BC	900775	00735858208116	10	Bulk pack of the Intel® Server Board S5500BC
	S5500BCR	905459	00735858213752	5	Boxed Intel® Server Board S5500BC with Intel® 5500 C2 stepping chipset. (Includes I/O shield, cables, resource CD and ISMS DVD)
	BB5500BCR	905460	00735858213769	10	Bulk pack of the Intel® Server Board S5500BC with Intel® 5500 C2 stepping chipset.

Production Board Accessories

Picture	Product Code	MM #	UPC	MOQ	Description
	AXXTIO	901685	00735858207683	50	50 Pack: I/O Shield

Production Chassis

Picture	Product Code	MM #	UPC	MOQ	Description
	SC5650DP	900338	00735858207393	1	Intel® Server Chassis SC5650DP Includes: One 600W fixed PSU, 3 fixed chassis fans with ducting. Features: Rackable with optional rack kit, supports up to 6 fixed drives, upgradeable to 6 Hot-Swap drives (SAS or SATA). **Check the Power budget spreadsheet for supportable hard drive, memory and PCI configurations.** Supports S5520HC, S5500HCV, S5500BC. Supports up to 95W processor. No power cord or heat sinks included.
	SC5650DPNA	900453	00735858207614	1	Same as Intel® Server Chassis SC5650DP; Includes: North American power cord. No heat sinks included.

Picture	Product Code	MM #	UPC	MOQ	Description
	SC5650BRP	900340	00735858207409	1	Intel® Server Chassis SC5650BRP Includes: Base Redundant Power with (1+0) 600W power supply, 3 fixed chassis fans with ducting, Features: Rackable with optional rack kit. Supports up to 6 fixed drives, upgradeable to 6 Hot-Swap drives (SAS or SATA). Supports Intel Server Board S5520HC, S5500HCV, S5500BC. Supports up to 95W processor. No power cord or heat sinks included.
	SC5650BRPNA	900452	00735858207621	1	Same as Intel® Server Chassis SC5650BRP Includes: North American power cord. No heat sinks included.

Production System SC5650BCDP

Picture	Product Code	MM #	UPC	MOQ	Description
	SC5650BCDP	904588	00735858212663	1	Integrated 5U Intel® Server System SC5650BCDP Includes: Intel® Server Board S5500BC Intel® Server Chassis SC5650DP Note: No processors, DDR3 memory, hard drives and heat sinks included
	SC5650BCDPNA	903805	00735858213219	1	Same as Integrated 5U Intel® Server System SC5650BCDP Includes: North America power cord
	SC5650BCDPR	907333	00735858214766	1	Integrated 5U Intel® Server System SC5650BCDPR including Intel® Server Board S5500BCR with Intel® 5500 C2 stepping chipset. Includes: Intel® Server Chassis SC5650DP Note: No processors, DDR3 memory, hard drives and heat sinks included

Picture	Product Code	MM #	UPC	MOQ	Description
	SC5650BCDPRNA	905768	00735858214414	1	Same as Integrated 5U Intel® Server System SC5650BCDPR including Intel® Server Board S5500BCR with Intel® 5500 C2 stepping chipset. Includes: North America power cord

Production Chassis and System SC5650BCDP Spares and Accessories

Picture	Product Code	MM #	UPC	MOQ	Description
	AXX6DRV3GEXP	877235	00735858180283	1	6-Drive Hot-Swap, Expander SATA/SAS Backplane Assembly Cage Kit for Intel® Server Chassis SC5600/SC5650 and system SC5650BCDP. **Requires**: 2 SAS ports from SAS module purchased separately or RAID card and is compatible with SAS or SATA 3.5" hard drives. Includes: backplane board, 6 drive carriers, 2 Data cables, 6-drive bay, IPMB cable, common installation guide, SATA/SAS configuration label.

Picture	Product Code	MM #	UPC	MOQ	Description
	AXX6DRV3GR	900405	00735858207638	1	6-Drive Hot-Swap Non-Expanded SATA/SAS Backplane Assembly Cage Kit for Intel® Server Chassis SC5600 / SC5650 family and system SC5650BCDP. **Requires** 6 SAS ports from RAID card for SAS (or SATA) 3.5" hard drive support or 6 SATA ports from baseboard or RAID card for SATA 3.5" hard drive support. Includes: Backplane board, 6 drive carriers, 6 data cables, 6-drive bay, IPMB cable, SES cable and SGPIO cable, common installation guide, SATA/SAS configuration label.
	AXXRMM3	900961	00735858206570	1	Intel® Remote Management Module 3 Note: Compatible in SC5650DP/BRP chassis and system SC5650BCDP. Not supported in the Intel® Server System SR1630BC due to physical space limitation.
	APPTHSDBKIT	901181	00735858207676	1	Hot-swap Drive Cooling and Mounting Kit for Intel® Server Chassis SC5650 and system SC5650BCDP. Includes: 1 fan holder and 2 Hot-swap cage brackets. **Note:** Mounting kit is required when using 6-bay Hot-swap Hard Disk Cage **AXX6DRV3GR**

Picture	Product Code	MM #	UPC	MOQ	Description
	APP3HSDBKIT	882456	00735858177450	1	Hot-swap Adapter Bracket for use with Intel® Server Chassis SC5650 and system SC5650BCDP. Includes: 1 cooling fan, 1 fan holder and 2 Hot-swap cage brackets. **Note:** Mounting kit is required when using 6-bay Hot-swap Hard Disk Cage **AXX6DRV3GEXP**
	AXX25DRVADPTR	904083	00735858211567	10	2.5'' Hard Disk Drive Carrier Kit, include ten 2.5'' drive carriers and installation guide. The 2.5'' HDD carrier is for installing 2.5'' SAS, SATA, or SSD into 3.5'' hot-swap hard disk drive bay. See compatible Intel® chassis and systems at: http://www.intel.com//support/motherboards/server/sb/CS-030726.htm
	APP3RACKIT	882457	00735858177375	1	Rack Conversion Kit for Intel® Server Chassis SC5650 family. Includes: rack rails and hardware for rack installation
	APP3STDBEZEL	871862	00735858177474	1	Spare Bezel with door for Intel® Server Chassis SC5650 family.

Picture	Product Code	MM #	UPC	MOQ	Description
	APPT600WHPSU	900984	00735858207324	1	2nd Redundant 600W Power Supply Unit for Intel ® Server Chassis SC5650BRP. **Note:** Optional, second module is required to enable full, hot-swap power redundancy.
	FXXPPT600WPSU	901184	00735858207317	1	Spare 600W Power Supply Unit for Intel® Server Chassis SC5650DP and systemSC5650BCDP
	FPPTBRPCAGE	901183	00735858207331	1	Spare Intel® Server Chassis SC5650BRP Redundant Power Supply Cage Also used to upgrade Intel Server Chassis SC5650DP/WS to redundant power configuration. **Requires**: 1 (or 2) APPT600WHPSU to complete upgrade. Includes: power distribution board and filler (for empty module when only 1 module installed). See Technical Product Specifications for instructions.

Picture	Product Code	MM #	UPC	MOQ	Description
	FPPTFANKIT4W	901182	00735858207713	1	4-Wire Fan Kit for Intel® Server Chassis SC5650 Includes: (1) 4-wire PCI Fan (120mm); (2) 4-wire rear fans (120mm); (1) 4-wire hard drive fan (90mm).
Not Available	FPPTPMKIT	901659	00735858207720	1	Chassis Preventative Maintenance Kit for Intel® Server Chassis SC5650 family Includes: (2) Hard Drive Bay Lockers with Screws and Spring (1) Air Duct (1) Intrusion Switch Assembly (1) USB Cable (1) Rear 120mm Fixed Fan Holder with Screws (1) 92mm Fan Holder with Screws (1) Full-length PCI Card Guide (4) Rivets for front 120mm Fixed Fan (1) Adapter Plate with Screws for Fixed Power Supply (1) Fixed Power supply tool-less locker (4) Chassis Feet (1) Fixed HDD Fan Plate (1) Supporting kit for upgrading to redundant power supply for the Intel® Chassis SC5650DP/WS
	FXXPPTFPBRD	901360	00735858207737	1	Spare Front Panel Board for Intel® Server Chassis SC5650

Picture	Product Code	MM #	UPC	MOQ	Description
	FXXIPMBCBL	878135	00735858180085	10	Spare IPMB cables
	FXXSESCBL	877945	00735858180092	10	Spare SES cables
	FXXSGPIOCBL	877944	00735858180108	10	Spare SGPIO cables
	AXXRJ45DB92	881944	00735858155212	1	Serial Cable Converter Dongle Kit Contains: two serial cable converter dongles (RJ45 to DB9); one for DSD and one for DCD (modem). Kit also includes: One serial ribbon cable for cabling 2nd serial port from the baseboard. **Note:** Ribbon cable is not used with the Intel Server Chassis SC5650
	FXX6DRV3GRBRD	901337	00735858206396	1	Spare Board for AXX6DRV3GR (6 drive backplane without an expander)

Picture	Product Code	MM #	UPC	MOQ	Description
	FXX6DRV3GEXPBRD	879632	00735858180948	1	Spare Board for AXX6DRV3GEXP (6 drive backplane with an expander)
	FXX10DVCARBLK	880265	00735858181938	10	Spare Hot-Swap Drive Carrier with black baffle
	FPWRCABLENA	879287	00735858180740	1	Spare North America Power cable for Intel® Server Chassis SC5650 family

Production System SR1630BC

Picture	Product Code	MM #	UPC	MOQ	Description
	SR1630BC	900773	00735858208123	1	Integrated 1U Intel® Server System SR1630BC Includes: Intel® Server Board S5500BC (1) Riser Card (2) Non-Redundant chassis fans (1) fixed High Efficiency 400W power supply (2) 3.5" fixed Hard Drive Carriers (1) Slim-Line CD-ROM Bay Brackets (1) Basic Rail Kit and cables **Note:** No processors, DDR3 memory, hard drives and heat sinks included
	SR1630BCNA	901893	00735858208161	1	Same as Integrated 1U Intel® Server System SR1630BC Includes: North America power cord

Picture	Product Code	MM #	UPC	MOQ	Description
	SR1630BCR	905461	00735858213448	1	Integrated 1U Intel® Server System SR1630BCR Includes: Intel® Server Board S5500BCR (1) Riser Card (2) Non-Redundant chassis fans (1) fixed High Efficiency 400W power supply (2) 3.5" fixed Hard Drive Carriers (1) Slim-Line CD-ROM Bay Brackets (1) Basic Rail Kit and cables **Note:** No processors, DDR3 memory, hard drives and heat sinks included
	SR1630BCRNA	904814	00735858215572	1	Same as Integrated 1U Intel® Server System SR1630BCR Includes: North America power cord

Production System SR1630BC/ SR1630BCR Accessory

Picture	Product Code	MM #	UPC	MOQ	Description
	AHJBEZBLACK	888348	00735858192163	1	SR1630BC 1U front bezel (Black) for fixed SKU - Optional cosmetic outer bezel without cut out for local control panel (LCP).
	AXXBRACKETS	863262	00735858168618	1	Fixed Mount Bracket Kit Includes: Set of brackets to hard mount chassis to rack, supports 4 post mounting and 2 post center mounting
	AXXSATADVDROM	906872	00735858197663	1	SATA Slim-line Optical DVD Drive
	AXXSATADVDRWROM	898051	00735858197670	1	SATA Slim-line Optical DVD +/- re-writeable Drive
	FPWRCABLENA	879287	00735858181129	1	Spare North American Power Cord

Production System SR1630BC/ SR1630BCR Spares

Picture	Product Code	MM #	UPC	MOQ	Description
	AXXBASICRAIL	881096	00735858184748	1	Basic Slide Rail Kit **Note:** Does not support Cable Management Arm (CMA)
	AHJTPCIERISER	900772	00735858208130	5	Spare Low Profile half-length PCIe2 x8 riser
	FHJT400WPS	899410	00735858203616	1	Spare High Efficiency 400W Power Supply
	FHJTBLOWER	900770	00735858208154	2	Spare System Blower Kit
Not Available	FHJTFIXPMKIT	900771	00735858208147	1	Fixed Drive Maintenance Kit for the Intel® Server System SR1630BC Includes: front panel assembly, CD-ROM brackets, air duct, various cables, and screws

Production RAID Accessories (not including BBU)

Picture	Product Code	MM #	UPC	MOQ	Description
	AXXRAKSW5	878958	00735858181860	5	Intel® RAID Activation Key AXXRAKSW5 Enables SAS and/or SATA Host-based RAID 5

Production RAID Controller

Picture	Product Code	MM #	UPC	MOQ	Description
	SRCSASPH16I	896897	00735858201339	5	Intel® RAID Controller SRCSAS16PHI – PCIe x8, 16P SAS RAID Controller, and 256MB 667MHz memory embedded. Compatible in SC5650DP/BRP chassis and SC5650BCDP system. Supported in Single processor configuration only
	SRCSASBB8I	896943	00735858201346	5	Intel® RAID Controller SRCSASBB8I – PCIe x8, 8P SAS RAID Controller, 256MB embedded memory, MD2 Low Profile, half length form factor. Compatible in S5650DP/BRP, SC5650BCDP system and SR1630BC. **Note**: Internal connectors only support SATA drives in the SR1630BC. Battery Back-up Unit (BBU) is not supported in the SR1630BC system due to thermal limitations. Dual processors configuration

Picture	Product Code	MM #	UPC	MOQ	Description
	SRCSASLS4I	896952	00735858201353	5	Intel® RAID Controller SRCSASLS4I – PCIe x8, 4P SAS RAID Controller, 128MB embedded memory, MD2 Low Profile, half length form factor. Compatible in S5650DP/BRP, SC5650BCDP system and SR1630BC. **Note**: Internal connectors only support SATA drives in the SR1630BC. Battery Back-up Unit (BBU) is not supported in the SR1630BC system due to thermal limitations. Dual processors configuration
	SASMF8I	896960	00735858201360	5	Intel® RAID Controller SASMF8I – PCIe x4, 8P SAS Controller with Intel® Embedded Server RAID technology, Low Profile, half length form factor. Compatible in S5650DP/BRP, SC5650BCDP system and SR1630BC. **Note**: Internal connectors only support SATA drives in the SR1630BC. Supported in Single processor configuration only
	SASUC8I	900176	00735858205115	5	Intel® RAID Controller SASUC8I – PCIe x8, 8P SAS Controller with entry-level HW RAID 0/1/1E/10E, low profile, half-length MD2 compliant form factor. Compatible in S5650DP/BRP, SC5650BCDP system and SR1630BC. **Note**: Internal connectors only support SATA drives in the SR1630BC. Supported in Single processor configuration only

Picture	Product Code	MM #	UPC	MOQ	Description
	SASWT4I	900267	00735858205108	5	Intel® RAID Controller SASWT4I – PCIe x4, 4P SAS Controller with entry-level HW RAID 0/1/1E/10E, low profile, half-length MD2 compliant form factor. Compatible in S5650DP/BRP chassis, SC5650BCDP system and SR1630BC. **Note**: Internal connectors only support SATA drives in the SR1630BC. Dual processors configuration
	SRCSAS144E	883470	00735858182621	5	Intel® RAID Controller SRCSAS144E – PCIex4, 4P SAS Controller. Compatible in SC5650DP/BRP chassis, SC5650BCDP system. Supported in Single processor configuration only
	SRCSAS18E	879066	00735858178143	5	Intel® RAID Controller SRCSAS18E – PCIex8, 8P SAS Controller. Compatible in SC5650DP/BRP, SC5650BCDP system. Supported in Single processor configuration only
	SRCSASRB	892598	00735858196437	5	Intel® RAID Controller SRCSASRB – PCIex4, 8P SAS Controller. Compatible in SC5650DP/BRP chassis, SC5650BCDP system. Supported in Single processor configuration only

Picture	Product Code	MM #	UPC	MOQ	Description
	SRCSASJV	892602	00735858196444	5	Intel® RAID Controller SRCSASJV- High performance intelligent SAS/SATA RAID controller with 8 flexible ports. Compatible in SC5650DP/BRP chassis , SC5650BCDP system. Supported in Single processor configuration only
	SRCSASPH16I	896897	00735858210911	5	Intel® RAID Controller SRCSASPH16I – Intelligent SAS/SATA RAID controller with 16 internal ports. Full Height, 6.6-inch by 4.2-inch form factor. Compatible in SC5650DP/BRP chassis, SC5650BCDP system. Supported in Single processor configuration only
	SRCSATAWB	892456	00735858196420	5	Intel® RAID Controller SRCSATAWB – 8 internal ports SATA 3GB (SAS controller supporting SATA hard drives only) Compatible in SC5650DP/BRP chassis, SC5650BCDP system. Supported in Single processor configuration only

Intel® System Management Software – (Upgrade SKUs)

Intel® System Management Software provides upgrade SKUs. Customers may order an upgrade that will give them the ability to manage additional servers and clients.

The following Intel® System Management Software Upgrade SKUs are offered. Each SKU includes a Certificate of Authenticity (COA) that contains a product key for user to enter to upgrade:

Upgrades available to Microsoft* System Center Essentials 2007

- Small Network Edition

This upgrade gives the user the ability to manage up to 5 Windows-based servers OSEs and 15 Windows-based client OSEs.

- Standard Edition

  This upgrade gives the user the ability to manage up to 10 Windows-based servers OSEs and 50 Windows-based client OSEs.

- Upgrade to add 1 or 5 Server Management license

  This upgrade gives the user the ability to manage 1 or 5 additional Windows-based server OSE.

- Upgrade to add 5 or 20 Client Management licenses

  This upgrade gives the user the ability to manage 5 additional Windows-based client OSEs.

Intel® System Management Software – Upgrade Order Codes:

Product Code	UPC	MM #	Description	Picture	MOQ
SMS2SSE2SNE	7 35858 19670 3	893177	Upgrade from 90 day trial Edition to Small Network Edition **Not included:** Software CDs are not included with upgrade.		1
SMS2SNE2STD	7 35858 19671 0	893221	Upgrade from Small Network Edition to Standard Edition **Not included:** Software CDs are not included with upgrade		1
SMS2SSE2STD	7 35858 19672 7	893170	Upgrade from 90 day trial Edition to Standard Edition **Not included:** Software CDs are not included with upgrade.		1

Product Code	UPC	MM #	Description	Picture	MOQ
SMS2CAL1S	7 35858 19675 8	893217	Microsoft® System Center Essentials 2007 Server Management License (1 Pack) **Not included:** Software CDs are not included with upgrade.		1
SMS2CAL5S	7 35858 19676 5	893218	Microsoft® System Center Essentials 2007 Server Management License (5 Pack) **Not included:** Software CDs are not included with upgrade.		1
SMS2CAL5C	7 35858 19673 4	893220	Microsoft® System Center Essentials 2007 Client Management License (5 Pack) **Not included:** Software CDs are not included with upgrade.		1
SMS2CAL20C	7 35858 19674 1	893219	Microsoft® System Center Essentials 2007 Client Management License (20 Pack) **Not included:** Software CDs are not included with upgrade.		1

Intel® Server Continuity Suite SKUs

Intel® Server Continuity Suite – Order Codes:

Product Code	MM	Description	Minimum Order Quantity
SCSSYSMGR	912851	Intel® Server Continuity Suite System Manager Includes Dashboard, Hardware Management, RAID Management and reporting. Includes 1 year of free maintenance upgrades	1
SCSBACKUP	912852	Intel® Server Continuity Suite Data Protection Manager Includes Basic CDP backup, file level consistency, 24 hour restore points *Note: Requires Intel® SCS System Manager*	1
SCSADVBACKUP	914444	Intel® Server Continuity Suite Advanced Data Protection Manager Includes advanced CDP backup, file and app consistency, recovery to any point in time, predictive failure backup *Note: Requires Intel® SCS System Manager*	1

The Intel® Server Continuity Suite System Manager which is required for all other purchases comes with 1 free year of maintenance.
The Intel® Server Continuity Suite software can be downloaded from the following location. It is free to download and install with a 60 days trial.
http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20736
For the rescue CD (needed when doing a full system restore) go to:
http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20737

Customers will need to purchase the software SKU's above. An electronic key will be automatically sent to customers registered email address(s) in the EPSD registration website within 8 hours. If the customer is not registered in the EPSD registration site, the EPSD service specialist will attempt to contact the customer to send the keys and create the account. Note that customers can supply as many email addresses to have the keys sent to as they would like but these addresses will be used for every order.
Customers will then either forward the registration keys to the reseller or print and mail the keys to the reseller.
The reseller will need to login to the following site: http://prd1warser.cps.intel.com/ with their Intel account. The account must be active but no specific permissions are required to gain access. After logging in to the site, they will enter a baseboard serial # and the registration key. After completing the registration a license key will be immediately returned. The reseller can enter this license key into the software to unlock the features. They can also go back at any point to retrieve this key. A limited number of transfers will be allowed per reseller to handle board replacements.

For more information about Intel® Server Continuity Suite, refer product home page at
http://www.intel.com/content/www/us/en/server-management/intel-server-continuity-suite.html

Supported Processor List

For a complete list of supported processors for use with the Intel® Server Board S5500BC/S5500BCR, and Intel® Server System SR1630BC/ SR1630BCR, and SC5650BCDP/ SC5650BCDPR go to this link:

http://www.intel.com/support/motherboards/server/sb/CS-030213.htm

Production Intel Thermal Solution STS100 Series

Product name	Description	Recommended usage*	Maximum CPU TDP	Boxed Product Code	MM#	UPC Code	Picture
Intel® Thermal Solution STS100C	Passive/Active Combination Heat Sink with Removable Fan	**With fan installed:** - Pedestal chassis that provide adequate ventilation and correct temperature air to heat sink **With fan removed:** - Pedestal chassis with ducted airflow to heat sink - 2U or larger rack chassis* with ducted airflow to heat sink	130W	BXSTS100C	900491	7 35858 20515 3	
Intel® Thermal Solution STS100A	Active Heat Sink with Fixed Fan	Pedestal chassis that provide adequate ventilation and correct temperature air to heat sink	80W	BXSTS100A	900490	7 35858 20513 9	
Intel® Thermal Solution STS100P	25.5mm Tall Passive Heat Sink	1U or 2U rack and blade chassis with ducted airflow to heat sink	95W	BXSTS100P	900492	7 35858 20514 6	

Heat Sink Configuration Guide

Chassis/System SKU	Heat Sink Includes	Intel® Thermal Solution STS100C (w/ fan, Active mode)	Intel® Thermal Solution STS100A (Active)	Intel® Thermal Solution STS100P (Passive)
SC5650DP	No	√	√	X
SC5650BRP	No	√	√	X
SR1630BC/SR1630BCR	No	x	x	√
SC5650BCDP/SC5650BCDPR	No	√	√	X
	Maximum CPU TDP	95W	80W	95W
	Boxed Product Code	BXSTS100C	BXSTS100A	BXSTS100P

MOQ = Minimum Order Quantity

VMware* vSphere* Virtualization Software Configuration Guide for vSphere* SKUs

Product Descriptions – Overview

VMware vSphere* software is now available when ordering an Intel® Server Board or Intel® Server System. **Customers can only order these SKUs at the time they are ordering an Intel® Server Board or Intel® Server System.** These SKUs cannot be ordered individually. The number of VMware vSphere SKU purchase has to coincide with number of system or boards purchased. Example: Order 10 boards – you can order 10 VMware SKUs. Customers will need to join VMware System Builder Program to get sales support from VMware. For support information please visit: http://www.vmware.com/partners/partners.html

VMware vSphere* and vCenter* Server SKUs

The following VMware vSphere SKUs are offered when purchasing a qualifying Intel® Server Board or Intel® Server System. Each SKU contains a software product activation code for user to enter to download software and install. As directed on the certificate, the end user must register the product activation code with VMware at http://www.vmware.com/code/intel within 30 days to access VMware Software, Support and Subscription Services.

VMware vSphere* and vCenter* Server SKUs

- Essentials

  This license activation code gives the user VMware vSphere* 4 Essentials Bundle for 3 hosts (Max 2 processors per host and 6 cores per processor), with 1 year VMware Subscription.

- Essentials Plus

  This license activation code gives the user VMware vSphere* 4 Essentials Plus Bundle for 3 hosts (Max 2 processors per host and 6 cores per processor), with 1 year VMware Gold Support and Subscription.

- Standard

  This license activation code gives the user VMware vSphere* 4 Standard for 1 Processor (Max 6 cores per CPU), with 1 year VMware Gold Support and Subscription.

- Advanced

  This license activation code gives the user VMware vSphere* 4 Advanced for 1 Processor (Max 12 cores per CPU), with 1 year VMware Gold Support and Subscription.

- Enterprise Plus

  This license activation code gives the user VMware vSphere* 4 Enterprise Plus for 1 Processor (Max 12 cores per CPU), with 1 year VMware Gold Support and Subscription.

- VMware vCenter* Server Standard for vSphere*

  This license activation code gives the user VMware vCenter* Server 4 Standard for vSphere* (Includes Orchestrator and Linked Mode), with 1 year VMware Gold Support and Subscription.

VMware vSphere* and VMware vCenter* Standard – Order Codes:

Product Code	UPC	MM	Description	MOQ
VMW4ESS	7 35858 21272 4	904791	Software license activation code certificate for VMware vSphere* 4 Essentials Bundle for 3 hosts (Max 2 CPUs per host and 6 cores per CPU) with 1 year VMware Subscription.	1
VMW4ESSPLUS	7 35858 21273 1	904792	Software license activation code certificate for VMware vSphere* 4 Essentials Plus Bundle for 3 hosts (Max 2 CPUs per host and 6 cores per CPU) with 1 year VMware Gold Support and Subscription.	1
VMW4STD	7 35858 21274 8	904793	Software license activation code certificate for VMware vSphere* 4 Standard for 1 Processor (Max 6 cores per CPU) with 1 year VMware Gold Support and Subscription.	1

Product Code	UPC	MM	Description	MOQ
VMW4ADV	7 35858 21275 5	904797	Software license activation code certificate for VMware vSphere* 4 Advanced for 1 Processor (Max 12 cores per CPU) with 1 year VMware Gold Support and Subscription.	1
VMW4ENTPLUS	7 35858 21276 2	904800	Software license activation code certificate for VMware vSphere* 4 Enterprise Plus for 1 Processor (Max 12 cores per CPU) with 1 year VMware Gold Support and Subscription.	1
VMWVCSTD	7 35858 21277 9	904801	Software license activation code certificate for VMware vCenter* Server 4 Standard (includes Orchestrator and Linked Mode) with 1 year VMware Gold Support and Subscription.	1