

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



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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# AXXSATADVDRAM 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, SRCASJLV, SRCASPH16I |
| 6/11 | 2.4 | Removed AXXLCPPED |
| 6/12 | 2.5 | Remove Lenovo skus |

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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 | <p>Intel® Server Chassis SC5650DP</p> <p>Includes: One 600W fixed PSU, 3 fixed chassis fans with ducting.</p> <p>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.</p> <p>Supports S5520HC, S5500HCV, S5500BC. Supports up to 95W processor. No power cord or heat sinks included.</p> |
|  | SC5650DPNA | 900453 | 00735858207614 | 1 | <p>Same as Intel® Server Chassis SC5650DP; Includes: North American power cord. No heat sinks included.</p> |


| Picture | Product Code | MM # | UPC | MOQ | Description |
|-----------------------------------------------------------------------------------|--------------|--------|----------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | SC5650BRP | 900340 | 00735858207409 | 1 | <p>Intel® Server Chassis SC5650BRP</p> <p>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).</p> <p>Supports Intel Server Board S5520HC, S5500HCV, S5500BC. Supports up to 95W processor. No power cord or heat sinks included.</p> |
|  | SC5650BRPNA | 900452 | 00735858207621 | 1 | <p>Same as Intel® Server Chassis SC5650BRP</p> <p>Includes: North American power cord. No heat sinks included.</p> |




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 | <p>6-Drive Hot-Swap Non-Expanded SATA/SAS Backplane Assembly Cage Kit for Intel® Server Chassis SC5600 / SC5650 family and system SC5650BCDP.</p> <p>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.</p> <p>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.</p> |
|  | AXXRMM3 | 900961 | 00735858206570 | 1 | <p>Intel® Remote Management Module 3</p> <p>Note: Compatible in SC5650DP/BRP chassis and system SC5650BCDP. Not supported in the Intel® Server System SR1630BC due to physical space limitation.</p> |
|  | APPTHSDBKIT | 901181 | 00735858207676 | 1 | <p>Hot-swap Drive Cooling and Mounting Kit for Intel® Server Chassis SC5650 and system SC5650BCDP.</p> <p>Includes: 1 fan holder and 2 Hot-swap cage brackets.</p> <p>Note: Mounting kit is required when using 6-bay Hot-swap Hard Disk Cage AXX6DRV3GR</p> |

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



| Picture | Product Code | MM # | UPC | MOQ | Description |
|-----------------------------------------------------------------------------------|---------------|--------|----------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | APPT600WHPSU | 900984 | 00735858207324 | 1 | <p>2nd Redundant 600W Power Supply Unit for Intel® Server Chassis SC5650BRP.</p> <p>Note: Optional, second module is required to enable full, hot-swap power redundancy.</p> |
|  | FXXPPT600WPSU | 901184 | 00735858207317 | 1 | Spare 600W Power Supply Unit for Intel® Server Chassis SC5650DP and system SC5650BCDP |
| | FPPTBRPCAGE | 901183 | 00735858207331 | 1 | <p>Spare Intel® Server Chassis SC5650BRP Redundant Power Supply Cage</p> <p>Also used to upgrade Intel Server Chassis SC5650DP/WS to redundant power configuration.</p> <p>Requires: 1 (or 2) APPT600WHPSU to complete upgrade.</p> <p>Includes: power distribution board and filler (for empty module when only 1 module installed).</p> <p>See Technical Product Specifications for instructions.</p> |



| Picture | Product Code | MM # | UPC | MOQ | Description |
|-------------------------------------------------------------------------------------|--------------|--------|----------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | FPPTFANKIT4W | 901182 | 00735858207713 | 1 | <p>4-Wire Fan Kit for Intel® Server Chassis SC5650</p> <p>Includes: (1) 4-wire PCI Fan (120mm); (2) 4-wire rear fans (120mm); (1) 4-wire hard drive fan (90mm).</p> |
| Not Available | FPPTPMKIT | 901659 | 00735858207720 | 1 | <p>Chassis Preventative Maintenance Kit for Intel® Server Chassis SC5650 family</p> <p>Includes:</p> <ul style="list-style-type: none"> (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 | <p>Serial Cable Converter Dongle Kit</p> <p>Contains: two serial cable converter dongles (RJ45 to DB9); one for DSD and one for DCD (modem).</p> <p>Kit also includes: One serial ribbon cable for cabling 2nd serial port from the baseboard.</p> <p>Note: Ribbon cable is not used with the Intel Server Chassis SC5650</p> |
|  | 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 | <p>Integrated 1U Intel® Server System SR1630BC</p> <p>Includes:</p> <ul style="list-style-type: none"> 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 <p>Note: No processors, DDR3 memory, hard drives and heat sinks included</p> |
|  | SR1630BCNA | 901893 | 00735858208161 | 1 | <p>Same as Integrated 1U Intel® Server System SR1630BC</p> <p>Includes: North America power cord</p> |

| Picture | Product Code | MM # | UPC | MOQ | Description |
|------------------------------------------------------------------------------------|--------------|--------|----------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | SR1630BCR | 905461 | 00735858213448 | 1 | <p>Integrated 1U Intel® Server System SR1630BCR</p> <p>Includes:</p> <ul style="list-style-type: none"> 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 <p>Note: No processors, DDR3 memory, hard drives and heat sinks included</p> |
|  | SR1630BCRNA | 904814 | 00735858215572 | 1 | <p>Same as Integrated 1U Intel® Server System SR1630BCR</p> <p>Includes: North America power cord</p> |


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 |
|  | AXXSATADVDRAM | 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 | <p>Intel® RAID Controller SRCASLS4I – PCIe x8, 4P SAS RAID Controller, 128MB embedded memory, MD2 Low Profile, half length form factor. Compatible in S5650DP/BRP, SC5650BCDP system and SR1630BC.</p> <p>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.</p> <p>Dual processors configuration</p> |
|  | SASMF8I | 896960 | 00735858201360 | 5 | <p>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.</p> <p>Note: Internal connectors only support SATA drives in the SR1630BC.</p> <p>Supported in Single processor configuration only</p> |
|  | SASUC8I | 900176 | 00735858205115 | 5 | <p>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.</p> <p>Note: Internal connectors only support SATA drives in the SR1630BC.</p> <p>Supported in Single processor configuration only</p> |

| Picture | Product Code | MM # | UPC | MOQ | Description |
|-------------------------------------------------------------------------------------|--------------|--------|----------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | SASWT4I | 900267 | 00735858205108 | 5 | <p>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.</p> <p>Note: Internal connectors only support SATA drives in the SR1630BC.</p> <p>Dual processors configuration</p> |
|  | SRCSAS144E | 883470 | 00735858182621 | 5 | <p>Intel® RAID Controller SRCSAS144E – PCIe x4, 4P SAS Controller. Compatible in SC5650DP/BRP chassis, SC5650BCDP system.</p> <p>Supported in Single processor configuration only</p> |
|  | SRCSAS18E | 879066 | 00735858178143 | 5 | <p>Intel® RAID Controller SRCSAS18E – PCIe x8, 8P SAS Controller. Compatible in SC5650DP/BRP, SC5650BCDP system.</p> <p>Supported in Single processor configuration only</p> |
|  | SRCSASRB | 892598 | 00735858196437 | 5 | <p>Intel® RAID Controller SRCASRB – PCIe x4, 8P SAS Controller. Compatible in SC5650DP/BRP chassis, SC5650BCDP system.</p> <p>Supported in Single processor configuration only</p> |

| 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 |

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 | <p>With fan installed: - Pedestal chassis that provide adequate ventilation and correct temperature air to heat sink</p> <p>With fan removed: - Pedestal chassis with ducted airflow to heat sink - 2U or larger rack chassis* with ducted airflow to heat sink</p> | 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 |