

Intel® Server Board S5520UR

Intel® Server Board S5520URT

Intel® Server System SR1600UR

Intel® Server System SR1600URHS

Intel® Server System SR1625UR

Intel® Server System SR1625URSAS

Intel® Server System SR2600URBRP

Intel® Server System SR2600URLX

Intel® Server System SR2600URSATA

Intel® Server System SR2625URBRP

Intel® Server System SR2625URLX

Intel® Server System SR2625URLXT

Spares/Accessories List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Server Board S5520UR and the appropriate 1U and 2U Intel Rack Mount Server Systems



Rev 3.2

July 2012

Enterprise Platforms and Services Marketing

Revision History

- November`08 – Rev0.9 – Updated for production board and systems.
- February`09 - Rev 1.0 – Ready for open books .
- March`09 – Rev 1.01 – Updated with images of Spares and Accessories.
- March`09 – Rev 1.02 – SR1600URNA MM# updated.
- April`09 – Rev 1.03 – Pictures updated, MM# for ASR2600LXFANS corrected.
- April`09 – Rev 1.1 – Management SW section added.
- April`09 – Rev 1.2 – LCP SKU added
- June`09 – Rev 1.3 – Riser and 10G module added. Pictures added
- September`09 – Rev 1.4 – SR2600URSATA added. Pictures added
- October`09 – Rev 1.5 – VMware vSphere* Virtualization Software added.
- November`09 – Rev 1.6 – Update the MM# of AXXIBQDRIOMOD.
- December`09 – Rev 1.7 – Update the new products with Intel® 5520 C2 stepping chipset.
- January`10 – Rev 1.8 – Added TPM SKU. Updated MM# for AXXSATADVROM
- March`10 – Rev 1.9 – Updated description for AXXROMBSASMR
- March`10 – Rev 2.0 –Added FSR2500BRPFAN, Updated S5520URT MOQ
- April`10 – Rev 2.1 –Added spares: FSR2600SASBP and FSR26XXPDB and FSR2600FP
- April`10 – Rev 2.2 –Updated images of Spares and Accessories
- June`10 – Rev 2.3 – Updated description and images of Spares and Accessories
- June`10 – Rev 2.4 – Added spares: AXXRMS2MH080
- July`10– Rev 2.5 – Added spares: AXXRMS2AF080, AXXRMS2AF040,
AXXRMS2LL080, AXXRMS2LL040
- September`10– Rev 2.6 – Removed spares: AXXUSBFLOPPY, Updated the MM# and
Image of ASR1500PASBP, Added spares: FURPASMP
- October`10– Rev 2.7 –Added spares: AXX750WPSCR
- February`11—Rev 2.8 –Updated the description of AXXRAKSW5, AXXRAKSAS2 and
AXXMINIDIMM512
- March`11 – Rev 2.9 –Removed all DIMM Blanks from systems and Spares, Updated description
of AXXRMS2AF080, AXXRMS2AF040, AXXRMS2LL080, and AXXRMS2LL040

May'11 – Rev 3.0 –Updated MM# of AXXGBIOMOD

Nov'11 – Rev 3.1 – Added spares: ASR26XXFHLPRP, AXXRPFKSNSH,
AXXRPFKDE, AXXRPFKSSD and AXXRSBBU7

July'12 – Rev 3.2 –Add Intel® Server Continuity Suite

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1. System Product Order Codes

1.1 Product Descriptions – Overview

Product based on the Intel® Server Board S5520UR will be offered in two methods at production:

1. **Intel® Server Systems (Integrated SKUs).** Customer orders an integrated system. All systems – except SR1600URHS – are complete and ready to use with installation of CPUs and memory. Except SR1600URHS – systems do not require additional components.




All systems do not include Processors, DDR3 main memory, hard drives, and other customer configuration items



2. **10 Pack Server Board SS5520UR.** Intended for customers utilizing 3rd party chassis or for customers requiring spare boards.


* Chassis will not be offered separately.


1.2 Board and System Product Order Codes


Not included in systems: Processors, DDR3 main memory, hard drives, and other customer configuration items are not included in below SKUs.



Image	Product Code MM UPC	Description	Minimum Order Quantity
	BB5520URR 905485 735858213493	Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. (shipped in bulk pack of 10)	10
	S5520URT 904767 735858214100	Intel Server Board S5520URT	1
	SR1600URR 905662 735858213509	Intel Server System SR1600URR fixed configuration. Includes: <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR1600 • Cabled front panel (no video port) • 3 3.5" fixed HDD sleds, pre routed sata cables. 	1


		<ul style="list-style-type: none"> • 5 non-redundant non-hotswap dual-rotor fans • 1 full height riser with PCI Express 2.0 x16 slot • 1 fixed high-efficient 600W power supply • Fan-board • SATA and power cables to connect 3 HDDs • 2 processor heatsinks • 2 chassis front handles in the box (ears) <p>For complete list of accessories – please reference section 2.</p>	
	SR1600URRNA 905018 NA	Same as SR1600URR but with North American power cord.	1
	SR1600URHSR 905663 735858213516	<p>Intel Server System SR1600URHSR Hot-Swap configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR1600 • Standard control panel • 3 3.5" HDD carriers • NO backplane • Bridge board • 5 non-redundant non-hotswap dual-rotor fans • 1 full height riser with PCI Express 2.0 x16 slot • 1 fixed high-efficient 600W power supply • 2 processor heatsinks • 2 chassis front handles in the box (ears) <p>Does not include backplane.</p> <p>*NOTE: System Backplane must be ordered separately to complete system.</p> <p>Required accessory (choose one of two options): To obtain <u>SAS/SATA HotSwap functionality</u> – order Active Backplane – ASR1500SASBP (offers onboard SAS controller with SW RAID support). To obtain <u>SATA HotSwap functionality</u> – order ASR1500PASBP, which allows cabled pass-through connection from motherboard or add-in controller.</p> <p>For complete list of accessories – please reference section 2.</p>	1
	SR1600URHSRNA 905165 NA	Same as SR1600URHSR but with North American power cord.	1
	SR1625URR 905664 735858213523	<p>Intel Server System SR1625URR passive configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR1625 • Mini control panel • 6 of 2.5" HDD carriers (and filler in bays 7&8) 	1


		<ul style="list-style-type: none"> • 5 redundant non-hotswap fans • 1 full height full length riser with PCI Express 2.0 x16 slot • Passive (pass-through, no SAS controller) SATA Midplane, cabled to SATA ports on motherboard . SAS drives can be supported by adding discreet SAS controller. • Backplane with proprietary cable-less connection to Midplane, supporting 8 hot-swap SAS/SATA drives. Discrete SAS controller must be added to system to support SAS drives. • Bridge board • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 650W power supply. • 2 chassis front handles in the box (ears) <p>Key Optional accessories:</p> <p>To enable redundant power supply feature – order additional power supply ASR1625PS</p> <p>To add SW Raid5 support – order AXXRAKSW5 key</p> <p>To add HW raid functionality: need to install add-in PCI HW Raid controller, which must be cabled to Passive Midplane Alternatively, Passive Midplane may be replaced with Active (FALSASMP2)</p> <p>To add support for 8 SAS/SATA drives by add-in controller – order additional 2.5" HDD drive carriers (available in 10 pack FXX25HDDCAR).</p> <p>To add Standard Control Panel - order ASR1625FP</p> <p>*Note: Only one control panel (Mini, Standard, or Local) can be used in a system at a time</p> <p>*Note: Standard CP, LCP and two additional drives are installed in the same bay, and can not be installed at the same time</p> <p>For complete list of accessories – please reference section 2</p>	
	SR1625URRNA 905166 NA	Same as above but with North American power cord	1
	SR1625URSASR 905665 735858213530	<p>Intel Server System SR1625URR active configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR1625 • Mini control panel • 6 2.5" HDD carriers (and filler in slots 7&8) • 5 redundant non-hotswap fans • 1 full height full length riser with PCI Express 2.0 x16 slot, • Active cable-less Midplane2 board with 8-port LSI 1078 SAS controller upgradeable to HW RAID mode • Backplane with proprietary cable-less connection to Midplane, supporting 8 hot-swap SAS/SATA drives. • Bridge board • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 650W 	1

		<p>power supply</p> <ul style="list-style-type: none"> • 2 chassis front handles in the box (ears) <p>Key Optional Accessories:</p> <p>To enable redundant power supply feature – order additional power supply (ASR1625PS)</p> <p>To upgrade to full-featured HW RAID on Active Midplane2: order Raid key (AXXRAKSAS2) , minidimm (AXXMINIDIMM512). RAID cache battery backup is optional (AXXRSBBU3).</p> <p>To add support for 8 drives by SAS controller on Active Midplane2– order two additional 2.5" HDD drive carriers (FXX25HDDCAR).</p> <p>To add Standard Control Panel - order ASR1625FP.</p> <p>*Note: Only one control panel (Mini or Standard) can be used in a system at a time.</p> <p>*Note: Standard CP, LCP and the two right most drives (7&8) are installed in the same bay, and can not be installed at the same time.</p> <p>For complete list of accessories – please reference section 2.</p>	
	<p>SR1625URSASRNA 905167 NA</p>	<p>Same as above but with North American power cord</p>	
	<p>SR2600URBRPR 905666 735858213547</p>	<p>Intel Server System SR2600URR system in base-passive configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR2600 • Standard control panel • 5 3.5" HDD carriers • 3 fixed, non redundant fans • Tape drive bay filler • 1 riser with three full-height PCI Express 2.0 x8 wired slots (one x16 and two x8 connectors), • Passive (pass-through, no SAS controller) SATA Midplane, cabled to SATA ports on motherboard . SAS drives can be supported by adding discreet SAS controller. • Backplane with proprietary cable-less connection to Midplane, supporting up to 6 hot-swap SAS/SATA drives. Discrete SAS controller must be added to system to support SAS drives. • Bridge board • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 750W power supply • 2 chassis front handles in the box (ears) <p>Note(1): To enable SAS drives - add-in SAS adapter is required. SATA drives can be used in out of the box system.</p> <p>Key Optional accessories:</p> <p>To enable power supply redundancy – order AXX750WPS</p> <p>To upgrade cooling system to redundant– order ASR2600LXFANS.</p>	<p>1</p>

		<p>To add support for 6th hot-swap 3.5 inch drive – order ASR2500SIXDRV</p> <p>To change PCI expansion slots – included riser must be replaced with ASR26XXFHLPR or ASR26XXFHXR</p> <p>To add support for SATA Tape Drive – order ASR2500SATAPE</p> <p>*NOTE: ASR2500SIXDRV and ASR2500SATAPE are installed in the same bay and can not be installed at the same time.</p> <p>For complete list of accessories – please reference section 2.</p>	
	SR2600URBRPRNA 905488 NA	Same as above but with North American power cord	1
	SR2600URLXR 905667 735858213554	<p>Intel Server System SR2600URR in active-SAS configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR R • Intel Server Chassis SR2600 • Standard control panel • 5 3.5" HDD carriers • 6 redundant and hot-swap fans • Tape drive bay filler • 1 active butterfly riser with 5 PCI Express 2.0 x8 wired slots (1 full-height x16 connectors, 2 full-height x8 connector and 2 low-profile x8 connectors) • Active cable-less Midplane2 board with 8-port LSI 1078 SAS controller upgradeable to HW RAID mode • Backplane with proprietary cable-less connection to Midplane, supporting up to 6 hot-swap SAS/SATA drives. • Bridge board • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 750W power supply • 2 chassis front handles in the box (ears) <p>Key Optional Accessories:</p> <p>To upgrade to full-featured HW RAID on Active Midplane2: order Raid key (AXXRAKSAS2) , minidimm (AXXMINIDIMM512). RAID cache battery backup is optional (AXXRSBBU3).</p> <p>To add PCI-X support – included riser must be replaced with ASR26XXFHXR</p> <p>To add support for 6th hot-swap 3.5 inch drive – order ASR2500SIXDRV</p> <p>To add support for SATA Tape Drive – order ASR2500SATAPE</p> <p>*NOTE: ASR2500SIXDRV and ASR2500SATAPE are installed in the same bay and can not be installed at the same time.</p> <p>For complete list of accessories – please reference section 2.</p>	1
	SR2600URLXRNA 905742 NA	Same as above but with North American power cord	







	<p>SR2600URSATAR 905671 735858213592</p>	<p>Integrated Intel Server System SR2600URSATAR Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR2600 • Standard control panel • 5 3.5" HDD carriers • 6 redundant and hot-swap fans • Tape drive bay filler • 1 active butterfly riser with 5 PCI Express 2.0 x8 wired slots (1 full-height x16 connectors, 2 full-height x8 connector and 2 low-profile x8 connectors) • Passive (pass-through, no SAS controller) SATA Midplane, cabled to SATA ports on motherboard . SAS drives can be supported by adding discreet SAS controller. • Backplane with proprietary cable-less connection to Midplane, supporting up to 6 hot-swap SAS/SATA drives. • Bridge board • 2 processor heatsinks • 2 hot-swap and redundant capable high-efficient 750W power supply • 2 chassis front handles in the box (ears) <p>Key Optional Accessories: To add PCI-X support – included riser must be replaced with ASR26XXFHXR To add support for 6th hot-swap 3.5 inch drive – order ASR2500SIXDRV To add support for SATA Tape Drive – order ASR2500SATAPE</p> <p>*NOTE: ASR2500SIXDRV and ASR2500SATAPE are installed in the same bay and can not be installed at the same time.</p> <p>For complete list of accessories – please reference section 2.</p>	<p>1</p>
	<p>SR2600URSATARNA 905745 NA</p>	<p>Same as above but with North American power cord</p>	<p>1</p>
	<p>SR2625URBRPR 905668 735858213561</p>	<p>Intel Server System SR2625URR in base-passive configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR2625 • Standard control panel • 6 2.5" HDD carriers (and filler in slots 7&8) • 3 fixed, non redundant fans • Tape drive bay filler • 1 full-height riser with three PCI Express 2.0 x8 wired slots (one x16 connector and two x8 connectors) • Passive (pass-through, no SAS controller) SATA Midplane, cabled to SATA ports on motherboard . SAS drives can be supported by adding discreet SAS controller. • Backplane with proprietary cable-less connection to Midplane, supporting 8 hot-swap SAS/SATA drives. 	<p>1</p>





		<p>Discrete SAS controller must be added to system to support SAS drives.</p> <ul style="list-style-type: none"> • Bridge board • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 750W power supply • 2 chassis front handles in the box (ears) <p>Note(1): To enable SAS drives - add-in SAS adapter is required. SATA drives can be used in out of the box system.</p> <p>Key Optional Accessories: To enable power supply redundancy – order AXX750WPS To add or change PCI expansion slots – included riser must be replaced with ASR26XXFHLPR or ASR26XXFHXR To add support for SATA Tape Drive – order ASR2500SATAPE</p> <p>For complete list of accessories – please reference section 2.</p>	
	SR2625URBRPRNA 905743 NA	Same as above but with North American power cord	1
	SR2625URLXR 905669 735858213578	<p>Intel Server System SR2625URR system in SAS configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520UR with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR2625 • Standard control panel • 8 2.5" HDD carriers • 6 redundant and hot-swap fans • Tape drive bay filler • 1 active butterfly riser with five PCI Express 2.0 x8 wired slots (1 full-height x16 connectors, 2 full-height x8 connector and 2 low-profile x8 connectors) • Active cable-less Midplane2 board with 8-port LSI 1078 SAS controller, upgradeable to HW RAID mode • Bridge board • Backplane with proprietary cable-less connection to Midplane, supporting 8 hot-swap SAS/SATA drives. • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 750W power supply • 2 chassis front handles in the box (ears) <p>Key Optional Accessories: To enable power supply redundancy – order AXX750WPS To upgrade to full-featured HW RAID on Active Midplane2: order Raid key (AXXRAKSAS2) , minidimm (AXXMINIDIMM512). RAID cache battery backup is optional (AXXRSBBU3).</p> <p>To add PCI-X support – included riser must be replaced with ASR26XXFHXR To add support for SATA Tape Drive – order ASR2500SATAPE</p> <p>For complete list of accessories – please reference section 2.</p>	1


	SR2625URLXRNA 905744 NA	Same as above but with North American power cord	1
	SR2625URLXT 904769 735858214445	<p>Intel Server System SR2625UR system in SAS configuration. Includes:</p> <ul style="list-style-type: none"> • Intel Server Board S5520URT with Intel® 5520 C2 stepping chipset. • Intel Server Chassis SR2625 • Standard control panel • 8 2.5" HDD carriers • 6 redundant and hot-swap fans • Tape drive bay filler • 1 active butterfly riser with five PCI Express 2.0 x8 wired slots (1 full-height x16 connectors, 2 full-height x8 connector and 2 low-profile x8 connectors) • Active cable-less Midplane2 board with 8-port LSI 1078 SAS controller, upgradeable to HW RAID mode • Bridge board • Backplane with proprietary cable-less connection to Midplane, supporting 8 hot-swap SAS/SATA drives. • 2 processor heatsinks • 1 hot-swap and redundant capable high-efficient 750W power supply • 2 chassis front handles in the box (ears) <p>Key Optional Accessories: To enable power supply redundancy – order AXX750WPS To upgrade to full-featured HW RAID on Active Midplane2: order Raid key (AXXRAKSAS2) , minidimm (AXXMINIDIMM512). RAID cache battery backup is optional (AXXRSBBU3). To add PCI-X support – included riser must be replaced with ASR26XXFHXR To add support for SATA Tape Drive – order ASR2500SATAPE</p> <p>For complete list of accessories – please reference section 2.</p>	1
	SR2625URLXTNA 903803 NA	Same as above but with North American power cord	1

2. Spares and Accessories Order Codes




2.1 I/O Modules:

Image	Product Code MM UPC	Description	Minimum Order Quantity
	AXX10GBIOMOD 900962 735858206525	10GbE I/O module Dual port CX4 connector, based on Intel 82598 EB controller. Compatible with S5520UR and S5500WB boards only.	1
	AXX4GBIOMOD2 901359 735858206532	Quad port GbE I/O module, based on Intel 82576 controller. RJ-45 connectors. Compatible with S5520UR and S5500WB boards only.	1
	AXXIBQDRIOMOD 902559 735858212601	Single port QDR speed InfiniBand I/O Module. CX4 powered connector. MT25408A0-FCC-QIS Controller. Compatible with S5520UR boards only.	1
	AXXRMS2MH080 907847 735858215619	Intel® Integrated RAID Module SRMS2MH080 provides 8 port full featured SAS-2/6Gbps RAID 0, 1, 5, 6 and striping capability for spans 10, 50, 60. Includes 2 8087 to 7 Pin SATA cables. Intel® Smart Battery AXXR SBBU7 and Intel® Premium Feature Key AXXRPFKSNSH, AXXRPFKDE, AXXRPFKSSD are optional.	5
	AXXRMS2AF080 907853 00735858215732	Intel® Integrated RAID Module SRMS2AF080 provides 8 port entry-level SAS-2/6Gbps RAID 0,1,5 and striping capability for spans 10, 50. Includes cables. No BBU option. Not compatible with SR1600UR, SR1625UR, SR2600UR and SR2625UR due to mechanical limitations.	5
	AXXRMS2AF040 907854 00735858215756	Intel® Integrated RAID Module SRMS2AF040 provides 4 port entry-level SAS-2/6Gbps RAID 0, 1, 5 and striping capability for spans 10, 50. Includes cables. No BBU option. Not compatible with SR1600UR, SR1625UR, SR2600UR and SR2625UR due to mechanical limitations.	5

	<p>AXXRMS2LL080 907855 00735858215749</p>	<p>Intel® Integrated RAID Module SRMS2LL080 provides 8 port basic RAID 0/1/1E and JBOD mode. Includes cables. No BBU option. Not compatible with SR1600UR, SR1625UR, SR2600UR and SR2625UR due to mechanical limitations.</p>	<p>5</p>
	<p>AXXRMS2LL040 907856 00735858215763</p>	<p>Intel® Integrated RAID Module SRMS2LL040 provides 4 port basic RAID 0/1/1E and JBOD mode. Includes cables. No BBU option. Not compatible with SR1600UR, SR1625UR, SR2600UR and SR2625UR due to mechanical limitations.</p>	<p>5</p>
	<p>AXX4SASMOD 900946 735858206372</p>	<p>Internal 4-port SAS module, based on LSI* 1064e controller, with Embedded RAID support. (primarily targeted at non-Intel chassis) Compatible with S5520UR, S5500WB, S5520HC, S5520SC boards only. Not compatible with Intel rack server chassis.</p>	<p>1</p>
	<p>AXXR0MBSASMR 901641 735858208017</p>	<p>Internal 4-port SAS module, based on LSI* 1078e controller. Provides 4 port full featured SAS/SATA RAID 0,1,5, 6 and striping capability for spans 10, 50, 60. (primarily targeted at non-Intel chassis) Compatible with S5520UR, S5500WB, S5520HC, S5520SC, SR2612UR and SR1690WB. Not compatible with SR1600UR, SR1625UR, SR2600UR and SR2625UR due to mechanical limitations.</p>	<p>5</p>
	<p>AXXSASMOD 902300 735858184786</p>	<p>External 4-port SAS expansion module. Compatible with Intel Server Boards S5520UR, S5000PALR and S5400SF.</p>	<p>1</p>
	<p>AXXIBIOMOD 881891 735858185219</p>	<p>InfiniBand I/O Expansion Module, SDR speed. Compatible with Intel Server Boards S5520UR, S5000PALR and S5400SF.</p>	<p>1</p>


	<p style="text-align: center;"> AXXGBIOMOD 913137 735858184779 </p>	<p> Dual Port Gigabit Ethernet I/O Expansion Module. Based on Intel 82571EB GbE controller. Compatible with Intel Server Boards S5520UR, S5500WB, S5000PALR and S5400SF. (Old MM# is 880518) </p>	<p>1</p>
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2.2 SR2600 and/or SR2625 Flex Bay Kits




Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p style="text-align: center;"> ASR2500SATAPE 881260 735858184069 </p>	<p style="text-align: center;"> SR2625/SR2600 SATA Tape Drive Mounting Kit, includes short & long SATA cables, power cable, screws, tray. (also compatible with SR2500 system) </p>	<p>1</p>
	<p style="text-align: center;"> ASR26XXFXDRV 903534 735858210287 </p>	<p style="text-align: center;"> SR2600/2625 Fixed drive kit Kit is installed in tape drive bay sled and holds two cabled 2.5" drives. SSD and SATA drives are validated. No SAS drives will be validated as they need special cabling. </p>	<p>1</p>
	<p style="text-align: center;"> ASR2500SIXDRV 902045 735858184076 </p>	<p style="text-align: center;"> SR2600 only 6th SAS/SATA HDD Kit (also compatible with SR2500 system, updated with filler panel not shown in picture) </p>	<p>1</p>

2.3 Bezels

Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p style="text-align: center;"> ADWBEZBLACK 865064 735858169110 </p>	<p>SR1600/1500/1400 Black Bezel for standard control panel.</p>	<p>1</p>
	<p style="text-align: center;"> ADRBEZBLACK 857675 735858165129 </p>	<p>SR2600/2625/2500 Black Bezel for standard control panel.</p>	<p>1</p>

 <p>* ADRBEZBLACK shown.</p>	ASR1550MINBEZ 879211 735858183895	SR1625/1550 Black Bezel for use with Mini Control Panel.	1
	ADWLCDBEZEL 882435 735858164993	SR1600/1400/1500 Black Bezel with cutout for Intel Local Control Panel (LCD). Note: requires Intel Local Control Panel.	1
	ADRLCDBEZEL 857586 735858165082	SR2600/2625/2500/2400 Black Bezel with cutout for Intel Local Control Panel (LCD). Note: requires Intel Local Control Panel.	1
	ASR1550LCDBEZ 879209 735858183901	SR1625/1550 Black Bezel for use with Local Control Panel. Note: requires Intel Local Control Panel.	1
	ASR1550BEZ 879406 735858183888	SR1625/1550 Black Bezel for use with Standard control panel. Note: requires Standard Control Panel.	1





2.4 System Spares and Accessories

Image	Product Code MM UPC	Description	Minimum Order Quantity
	AXXRMM3 900961 735858206570	Remote management module 3 kit (includes module, PCI mounting bracket and Intel chassis specific mounting brackets, long and short cables)	1
	AXXRAKSAS2 891290 735858194730	Intel® RAID Activation Key for FALSASMP2 Note: enabling RAID capability also requires mini DIMM (AXXMINIDIMM512) (Reused from SR1500/SR2500 system) Note: not compatible with Intel® RAID Activation Key AXXRAKSW5	1
	AXXMINIDIMM512 897046 735858202015	512 MB Mini DIMM registered DDR-2 for use with FALSASMP2 Note: not compatible with Intel® RAID Activation Key AXXRAKSW5	5

	<p>AXXRAKSW5 878958 735858181860</p>	<p>Intel® RAID Activation Key AXXRAKSW5 enables SATA Host-based RAID 5. Note: compatible with Passive Midplane. FALPASMP. Not compatible with Active cable-less Midplane FALSASMP2.</p>	<p>5</p>
	<p>AXXRPFKSNSH 907051 735858214377</p>	<p>Intel® Premium Feature Key that enables Intel® RAID Rapid Recovery Snapshot. Support Intel® Integrated RAID Module RMS2MH080 and Intel® RAID Controller RS2BL080, RS2BL040, RS2PI008, RT3WB080, RS2SG244, RS2WG160, RS2MB044</p>	<p>5</p>
	<p>AXXRPFKDE 907050 735858214360</p>	<p>Intel® Premium Feature Key that enables Intel(R) RAID Drive Encryption Management. Support Intel® Integrated RAID Module RMS2MH080 and Intel® RAID Controller RS2BL080, RS2BL040, RS2PI008, RT3WB080, RS2SG244, RS2WG160, RS2MB044, RS2VB080, RS2VB040</p>	<p>5</p>
	<p>AXXRPFKSSD 918399 735858214353</p>	<p>Intel® Premium Feature Key that enables Intel(R) RAID SSD Cache with Fast Path *I/O. Support Intel® Integrated RAID Module RMS2MH080 and Intel® RAID Controller RS2BL080, RS2BL040, RS2PI008, RT3WB080, RS2SG244, RS2WG160, RS2MB044, RS2VB080, RS2VB040.</p>	<p>5</p>
	<p>AXXRSBBU3 900954 735858181853</p>	<p>Intel® RAID Smart Battery Backup module for use with Intel® Integrated Server RAID</p>	<p>5</p>
	<p>AXXRSBBU7 903148 735858210676</p>	<p>Intel® RAID Smart Battery for Intel® RAID Controller RS2BL080, RS2BL040, RS2PI008, RT3WB080, RS2SG244, RS2WG160, RS2MB044, RS2VB080, RS2VB040, and Intel(R) Integrated RAID Module RMS2MH080.</p>	<p>5</p>


	<p>AXXRJ45DB92 903041 735858155212</p>	<p>Contains 3 cables. Two RJ45 To DB9 Cable (DCD and DSR type) and a 10-pin IDC to Dsub (for COM2) (Also compatible with SR1500/2500 system) (Old MM# 881944)</p>	<p>1</p>
	<p>AXXSATADVDROM 906872 735858197663</p>	<p>Slimline SATA DVDROM Device</p>	<p>1</p>
	<p>AXXSATADVDRWROM 898051 (pending update to 898292) 735858197670</p>	<p>Slim SATA DVD+/-RW ROM Accessory</p>	<p>1</p>
	<p>FPWRCABLENA 879287 735858181129</p>	<p>North American Power Cord Spare</p>	<p>1</p>
	<p>ASR1500PASBP 905063 735858183758</p>	<p>SR1600/SR1500 (1U) Hotswap Passive SAS/SATA Backplane Kit. Compatible with either SAS or SATA 3.5" hard drives. Kit contents include the following: Hot swap backplane with pass-through capabilities for either onboard SATA ports or a SAS/SATA add-in card, Enclosure management cable, 3 SAS/SATA cables (pre-kitted and length matched to the SATA ports on the server board)</p>	<p>1</p>
	<p>ASR1500SASBP 903510 735858183741</p>	<p>SR1600/SR1500 (1U) Hotswap SAS Backplane Kit. Compatible with either SAS or SATA 3.5" hard drives. Kit includes: Backplane with SAS controller, USB cable (to front panel).</p>	<p>1</p>




	<p>FSR2600SASBP 908020</p>	<p>SR2600 (2U) Hotswap SAS Backplane Board spare. Compatible with either SAS or SATA 3.5" hard drives.</p>	<p>1</p>
	<p>FSR2600LXFAN 901087 735858206679</p>	<p>SR2600/2625UR LX hot swap redundant fan spare kit. Contains 3 fans (1 x 60mm, 2 x 80mm). Notes: Not compatible with BRP SKU fans.</p>	<p>1</p>
	<p>ASR2600LXFANS 901078 735858206464</p>	<p>SR2600BRP/SR2625BRP Redundant fan upgrade kit. Contains 6 fans, fan structure, cable set and a baffle.</p>	<p>1</p>
	<p>FSR2500BRPFAN 882057 00735858184038</p>	<p>SR2600/SR2625 BRP Non-redundant fan spare kit - Contains two fans, one of each type (1 x 60mm, 1 x 80mm) - Not compatible with SR2600/SR2625 LX SKU fans.</p>	<p>1</p>
	<p>FXX1UFAN 881101 735858184243</p>	<p>SR1600/SR1625/SR1500/SR1550 Fan spare kit. Contains one 56mm fan with short cable, and one 56mm fan with long cable.</p>	<p>1</p>
	<p>FURBRIDGE 901088 735858206709</p>	<p>Bridge Board Spare</p>	<p>30</p>

	<p>FALSASMP2 892611 735858198110</p>	<p>SR1625/2600/2625UR SAS Midplane-2 with optional Intel® Integrated Server RAID (support RAID 6). 8 port SAS controller. upgradable to HW RAID. Note: RAID requires new RAID activation key (MM# 891290) and new RAID mini DIMM (cache) each sold separately (MM# 897046).</p>	<p>1</p>
	<p>FALPASMP 901687 735858183826</p>	<p>SR1625/2600/2625UR Passive Midplane Compatible with either SAS or SATA hard drives. Kit contents include the following: Passive mid-plane with pass-through capabilities for either onboard SATA ports or a SAS/SATA add-in card, Enclosure management cable, Note: SATA drive cables are not included.</p>	<p>1</p>
	<p>FURPASMP 901090 735858215589</p>	<p>SR1625/2600/2625UR Passive Midplane with 6Gb/s SAS or 3Gb/s SAS/SATA pass-through capabilities. Compatible with either SAS or SATA hard drives. Kit contents include the following: Passive Midplane with 6Gb/s SAS or 3Gb/s SAS/SATA pass-through capabilities for either onboard SATA ports or a SAS/SATA add-in card, Enclosure management cable, Note: SATA drive cables are not included.</p>	<p>1</p>
	<p>FSR26XXPDB 908021</p>	<p>SR2600/2625UR 750W Power Distribution Board</p>	<p>1</p>
	<p>FXX10DVCARBLK 880265 735858181938</p>	<p>3.5" Hot Swap HDD Carrier Spare (compatible with prior generations)</p>	<p>10</p>



			
	FXX25HDDCAR 881681 735858183932	SR1625/2625UR 2.5" HDD carrier spare kit	10
	AXX25DRVADPTR 904083 735858211567	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	10
	BXSTS100P 900492 735858205146	Spare passive thermal solution for 1U, 2U rack servers and compute modules.	1




2.5 Power Sub-system Spares and Accessories

Image	Product Code MM UPC	Description	Minimum Order Quantity
	ASR1625PS 901016 735858206433	SR1625UR 650W Hot-Swap power supply module	1




	<p>AXX750WPS 901681 735858206501</p>	<p>SR2600/2625UR 750W Hot-Swap Power Supply Module</p>	<p>1</p>
	<p>AXX750WPSCR 907612 735858214476</p>	<p>SR2600/2625UR 750W Hot-Swap Power Supply Module ,support "Intel(R) On Demand Redundant Power Technology" (Cold Redundant Power Supplies). The Cold Redundant Power Supply and Power Distribution Module are both fully compatible with the previous version of Power Supply and Power Distribution Board. However, to gain support for Cold Redundancy, only the new Power Supplies and Power Distribution Modules can be used. The system will not be able to enter into Cold Redundant mode if there is any previous version of Power Supply or Power Distribution Module installed in the system.</p>	<p>1</p>
	<p>FSR1600PS 901086 735858206617</p>	<p>SR1600UR 600W fixed power supply spare module</p>	<p>1</p>


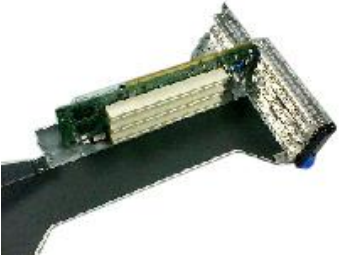

2.6 Control Panel Spares and Accessories

Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p>ASR1625LCP 901013 735858206426</p>	<p>SR1625 LCP Accessory Kit</p>	<p>1</p>
	<p>ASR2600LCP 901014 735858206457</p>	<p>SR2600 LCP Accessory Kit</p>	<p>1</p>



	FSR2600FP 908022	SR2600 Front panel Board Spare.	1
	AXLCPRACK2 901015 735858206518	SR1600 and SR2625 LCP Accessory Kit	1
	ASR1625FP 900991 735858206419	SR1625UR Standard front panel Accessory kit	1



2.7 Riser Spares and Accessories

Image	Product Code MM UPC	Description	Minimum Order Quantity
	ASR26XXFHLPR 901077 735858206471	SR2600/2625 5 slot PCI-e active Riser. Bridges are placed on riser to multiply provided 24 PCI Express 2.0 lanes into 40 for on-the-fly load balance. Riser provides: 1 full-size x16 physical x8 electrical slots 2 full-size x8 physical x8 electrical slot 2 low-profile x8 physical x8 electrical slots.	5
	ASR26XXFHR 901079 735858206488	SR2600/2625 3 slot passive PCI-e Riser. Provides: 1 full-size x16 physical x8 electrical slot 2 full-size x8 physical x8 electrical slots	5
	ASR26XXFHLPRP 915539 735858222402	SR2600/2625 5 slot passive PCI-e Riser. Provides: 1 full-size x16 physical x4 electrical slot 1 full-size x8 physical x8 electrical slot 1 full-size x8 physical x4 electrical slot 2 low-profile x8 physical x4 electrical slots.	5


	ASR26XXFHXR 901080 735858206495	SR2600/2625 5 slot PCI-e / PCI-X active riser. PCIe to PCI-X bridge is placed on riser. Riser Provides: 2 Full-size PCI-X 133 slots 1 full-size x8 physical x8 electrical slot 2 low-profile x8 physical x8 electrical slots	5
	ASR26XXFH3XR 902279 735858208437	SR2600/2625 3 slot PCI-X riser assembly. Comes with modified bracket.	1
	FSR16XXRISER 901186 735858206648	SR1600/1625 1 slot PCI-e passive riser. Provides: 1 full-size x16 physical x16 electrical slot.	10




2.8 Rails and Mounting Options

Image	Product Code MM UPC	Description	Minimum Order Quantity
	AXXHERAIL2 901082 735858206549	Full extending Rail Kit; also compatible with SR1500/2500 chassis (new and improved design replacing AXXHERAIL. Existing AXXHERAIL may still be used with 16xx/26xx chassis)	1
	AXXRACKARM2 901084 735858206563	Cable Management Arm (Must be used with AXXHERAIL2, not compatible with AXXHERAIL)	1

	<p>AXXBASRAIL13 899080 735858194969</p>	<p>Basic rail kit. Does not support Cable Management Arm.</p>	<p>1</p>
	<p>AXXBRAKETS 863262 735858168618</p>	<p>Fixed Mount Brackets. Set of brackets to hard mount chassis to rack. Supports 4 post mounting and 2 post center mounting. (Reused from SR1500/SR2500 system)</p>	<p>1</p>

2.9 Chassis and Electrical Spares Kits

Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p>FSRTCHSPR 901994 735858208086</p>	<p>Combined chassis mechanical spare kit for SR16xx and SR26xx systems. Includes:</p> <ul style="list-style-type: none"> • Baffle for power supply-backplane area for SR2600 • Baffle for power supply-backplane area for SR2625 • 1U and 2U CPU Ducts • PS Blank Filler • RMM3 Filler Panel • IO Module Filler Panel • Hard Drive Carriers (3.5" & 2.5") • SR26XX Non-redundant Fan Structure • Tape Drive Filler • CD tray w/Standoffs • Plastic Optical Drive guide + 2 screws • Optical Drive Filler Panel (3.5") • Die cast metal rack handles (set) • Misc Hardware (screws, thumbscrews, etc) • Processor Fan Bracket • SR1615 PS Air Baffle (/w Thumbscrew) • CD Tray w/o Standoffs • SR 1600 PS baffle 	<p>1</p>
	<p>FSR1600EESPR 901005 735858206600</p>	<p>SR1600 Electrical spare kit. Includes:</p> <ul style="list-style-type: none"> • Bridge Board • HS SKU Front panel board • Fixed SKU front panel board • Fan distribution board 	<p>1</p>

		<ul style="list-style-type: none"> • 1U riser (FSR16XXRISER) • HS SKU50 pin front panel cable • HS SKU USB front panel cable • Fixed SKU front panel cable • Fixed SKU USB front panel cable • 2 SATA cabled for fixed HDDs • Fixed SKU fan control cable • Two backplane thumb screws • One 56mm non-redundant fan 	
	<p>FSR1625EESPR 901007 735858206631</p>	<p>SR1625 Electrical spare kit. Includes</p> <ul style="list-style-type: none"> • Bridge Board • 2.5" HSBP • Mini front panel board • 1U PCIe riser (FSR16XXRISER) • Front panel cable • USB front panel cable • I2C cable • SATA cable harness (6 cables) • One 56mm fan with short cable • One 56mm fan with long cable • Power distribution board 	<p>1</p>
	<p>FSR26XXEESPR 901995 735858208093</p>	<p>SR2600 and SR2625 Electrical Spare Kit. Includes following system components:</p> <ul style="list-style-type: none"> • Bridge Board • 2.5" HSBP for SR2625 • 3.5: HSBP for SR2600 • Docking front panel board (for SR2600) • Cabled front panel board (for SR2625) • Optical drive interposer • Front panel cable • Front panel USB cable • Two 115mm+130mm redundant fan bracket cable assembly • One 140mm+140mm redundant fan bracket cable assembly • SATA I2C cable • SATA cables harness • One 80mm non-redundant fan • One 80mm redundant fan • One 60mm non-redundant fan • One 60mm redundant fan. • Power distribution module. 	<p>1</p>

3. Intel® System Management Software

3.1 Product Descriptions – Overview

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

3.2 Intel® System Management Software – (Upgrade SKUs)

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 or 20 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
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

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

4.1 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>

4.2 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
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

5. 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>

End of Configuration Guide