Intel® Server System SR1695GPRX

Spares/Parts List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Server System SR1695GPRX.

Revision 1.2
March 2012
Enterprise Platforms and Services Marketing

Revision History

July '10 - Rev 1.0 – Initial release

July '10 - Rev 1.1 – Complete UPC for all parts, Added board spare

Mar '12 – Rev 1.2 – Added AXXSR16XXRAIDCA

Disclaimer

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1.1　Product Descriptions – Overview

The Intel® Server System SR1695GPRX is available to order in two different varieties:

1. **Intel® Server System SR1695GPRX* (with one AC PSU).**

   The Production Intel® Server System SR1695GPRX contains the following:
   - One Intel® Server Board S3420GPRX
   - Intel® Server Chassis SR1695 assembly
   - One unit of 400W high-efficiency power supply (SKU: SR1695GPRX1AC)
   - Power cage with Power Distribution Board inside
   - System fan assembly, including two blowers and one rotor PCI Fan
   - 1U PCI express riser with bracket
   - Four HDD carriers, supporting four hot swap 3.5" or 2.5" SATA/SAS HDDs
   - One passive processor heatsink
   - One system air duct
   - Front control panel, including front USB ports
   - Cables (Front panel cable, Front USB cable, SATA cables, IPMB cable, SGPIO cable and SES cable)
   - No AC power cords are included

   *Chassis will not be offered separately

   **Customer is required to provide Processors, DDR3 main memory and hard drives seperately to configure a complete, bootable system.

   Note: In addition to this document, there is a web based tool to assist customers in selecting components for Intel Server Products available here: http://www.intel.com/go/serverconfigurator.

2. **Intel® Server System SR1695GPRX (with redundant two AC PSU).**
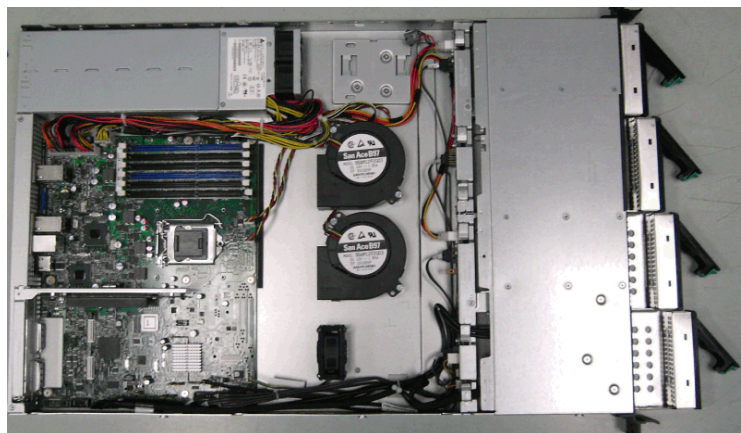
    The Production Intel® Server System SR1695GPRX contains the following:
    *   One Intel® Server Board S3420GPRX
    *   Intel® Server Chassis SR1695 assembly
    *   Two units of redundant 400W high-efficiency power supply (SKU: SR1695GPRX2AC)
    *   Power cage with Power Distribution Board inside
    *   System fan assembly, including two blowers and one rotor PCI Fan
    *   1U PCI express riser with bracket
    *   Four HDD carriers, supporting four hot swap 3.5" or 2.5" SATA/SAS HDDs
    *   One passive processor heatsink
    *   One system air duct
    *   Front control panel, including front USB ports
    *   Cables (Front panel cable, Front USB cable, SATA cables, IPMB cable, SGPIO cable and SES cable)
    *   No AC power cords are included

*Chassis will not be offered separately

**Customer is required to provide Processors, DDR3 main memory and hard drives seperately to configure a complete, bootable system.

Note: In addition to this document, there is a web based tool to assist customers in selecting components for Intel Server Products available here: http://www.intel.com/go/serverconfigurator.

A.   PRODUCTION ORDER CODES

Board & System Order Codes

Product Code	MM#	UPC	Description
SR1695GPRX1AC	908799	00735858216043	Intel® Server System SR1695GPRX1AC including: ▪ One Intel® Server Board S3420GPRX ▪ Intel® Server Chassis SR1695 ▪ 4 hot swap HDD carriers (supports both 2.5" & 3.5") ▪ 1 PCI Express 2.0 x8 riser ▪ 1 high-efficient AC 400-watt PSU with redundant capability ▪ SATA/SAS backplane to connect 4 HDDs ▪ Two Blowers and one rotor system fans ▪ Cabled front panel ▪ 1 Intel® Thermal Solution ▪ *Quick Reference Label* ▪ *Quick Start Users Guide* ▪ Resource CD ▪ *Attention Document*
SR1695GPRX1ACNA	907389		Same as SR1695GPRX1AC but includes North America Power cord
SR1695GPRX2AC	908800	00735858216050	Intel® Server System SR1695GPRX2AC including: ▪ One Intel® Server Board S3420GPRX ▪ Intel® Server Chassis SR1695 ▪ 4 hot swap HDD carriers (supports both 2.5" & 3.5") ▪ 1 PCI Express 2.0 x8 riser ▪ 2 redundant high-efficient AC 400-watt PSU ▪ SATA/SAS backplane to connect 4 HDDs ▪ Two Blowers and one rotor system fans ▪ Cabled front panel ▪ 1 Intel® Thermal Solution ▪ *Quick Reference Label* ▪ *Quick Start Users Guide* ▪ Resource CD ▪ *Attention Document*
SR1695GPRX2ACNA	907568		Same as SR1695GPRX2AC but includes North America Power cord

Note that the boards are not shipped with a software CD, while the system does include a CD. The latest drivers and software can be downloaded from http://www.intel.com/support. Customers who require an Intel® Deployment Assistant CD may download an .ISO image and burn their own CDs.

Optional SR1695GPRX System Accessory & spare Order Codes:

Product Code	MM#	UPC	MOQ	Description
S3420GPRX	905452	00735858214841	1	Spare boxed board for SR1695GPRX
FSR1695GPRXPS	908801	00735858216081	1	Spare 400-watt AC redundant PSU
FSR1695CAGE	909418	00735858216241	1	Spare Power Supply Cage includes PDB with Cables
AXXRMM3LITE	905659	00735858214469	1	Intel® Remote Management Module 3 Lite
AXXBASICRAIL	881096	00735858184748	1	Basic slide rail kit. Does not support Cable Management Arm
AXXHERAIL2	901082	00735858206549	1	Full extending Rail Kit
AXXRACKARM2	901084	00735858206563	1	Chassis cable management kit, compliant with AXXHERAIL2
AXXSATADVDROM	906872	00735858197663	1	Slim-line SATA DVD/CD-R drive accessory
FSR1695GPMKIT	909419	00735858216234	1	System maintenance kit accessory (includes: all cables, front panel/USB Board)
FSR1695FAN	909474	00735858216258	6	SR1695GPRX spare rotor PCI fan, PCI fan racks and PCI fan holder sponge.
AXXSR16XXRAIDCA	909656	00735858216265	10	Mini-SAS cable for Intel RAID add-in cards
FSR1690HDDCAR	903456	00735858211000	5	Spare HDD carrier for SR1695WB and SR1690WB supports both 2.5" and 3.5" HDD; MOQ is 5
FSR1690BP	903457	00735858211017	1	Spare hot swap HDD backplane for SR1695GPRX – single pack
FHJTBLOWER	900770	00735858191111	1	Blower spare kit
AXXPCIE16RISER	892597	00735858197441	1	1U PCI Express gen2 riser.
A1695GPRXBEZEL	909420	00735858216272	10	SR1695 Chassis Bezel

Intel® Xeon® Processor 3400 and Core™ i3 Series options:

Processor Family	Boxed Product Code	Product MM#	Clock Speed	L3 Cache	Max Memory Speed	Power
Intel® Xeon® Processor X3480	BX80605X3480	907883	3.06 GHz	8 MB	DDR3-800/1066/1333	95 W
Intel® Xeon® Processor X3470	BX80605X3470	903851	2.93 GHz	8 MB	DDR3-800/1066/1333	95 W
Intel® Xeon® Processor X3460	BX80605X3460	903850	2.80 GHz	8 MB	DDR3-800/1066/1333	95 W
Intel® Xeon® Processor X3450	BX80605X3450	903849	2.66 GHz	8 MB	DDR3-800/1066/1333	95 W
Intel® Xeon® Processor X3440	BX80605X3440	903842	2.53 GHz	8 MB	DDR3-800/1066/1333	95 W
Intel® Xeon® Processor X3430	BX80605X3430	903841	2.40 GHz	8 MB	DDR3-800/1066/1333	95 W
Intel® Xeon® Processor L3426	BX80605L3426	904689	1.86 GHz	8 MB	DDR3-800/1066/1333	45 W
Intel® Xeon® Processor L3406	BX80605L3406	905773	2.26 GHz	4 MB	DDR3-1066	30 W
Intel® Core™ Processor i3-550	BX80616I3550	908035	3.20 GHz	4 MB	DDR3-1066/1333	73 W
Intel® Core™ Processor i3-540	BX80616I3540	904853	3.06 GHz	4 MB	DDR3-1066/1333	73 W
Intel® Core™ Processor i3-530	BX80616I3530	904852	2.93 GHz	4 MB	DDR3-1066/1333	73 W
Intel® Pentium® Processor G6950	BX80616G6950	904851	2.80 GHz	3 MB	DDR3-1066	73 W

Intel® RAID Contollers Options:

Picture	Product Code MM# UPC	MOQ	Description

Picture	Product Code MM# UPC	MOQ	Description
	AXX4SASMOD 900946 00735858206372	1	Intel® SAS Entry RAID Module AXX4SASMOD provides 4 port pass through SAS, entry-level RAID 0/1/1E, and optional host RAID 5.: Includes 1 AXX4SASMOD module card; 3 snap standoffs, 4 SAS/SATA cables, Configuration Label and Quick Installation Guide
	AXXROMBSASMR 901641 00735858208017	1	Intel® Integrated RAID Module ROMBSASMR provides 4 port full featured SAS/SATA RAID 0,1,5, 6 and striping capability for spans 10, 50, 60. 128 MB cache. Up to 16 SAS/SATA HDDs with expander enclosures. No PCI-E slot used. Optional backup battery AXXRSBBU3 should be ordered separately
	AXXRAKSW5 878958 00735858181860	5	Intel® RAID Activation Key AXXRAKSW5 enables SAS Host-based RAID 5 with AXX4SASMOD
	AXXRSBBU3 900954 00735858181853	1	Intel® RAID Smart Battery AXXRSBBU3, optional battery back up for use with AXXROMBSASMR, AXXRAK18E and SRCSAS144E. RoHS Complaint
	SRCSASPH16I 896897 00735858201339	5	Intel® RAID Controller SRCSAS16PHI - PCIe x8, 16P SAS RAID Controller, 256MB 667MHz memory embedded.
	SRCSASJV 892602 00735858196444	5	Intel® RAID Controller SRCSASJV - PCIe x8, 8P SAS RAID Controller with Mux (ports can be configured as internal or external), ships with 512MB DIMM, supports up to 1GB ECC 667MHz DDR2 mini-DIMM.
	SRCSASBB8I 896943 00735858201346	5	Intel® RAID Controller SRCSASBB8I - PCIe x8, 8P SAS RAID Controller, 256MB embedded memory, MD2 Low Profile, half length form factor.
	SRCSASRB 892598 00735858196437	5	Intel® RAID Controller SRCSASRB - PCIe x4, 8P SAS RAID Controller, and 256 MB embedded memory.

Picture	Product Code MM# UPC	MOQ	Description
	SRCSATAWB 892456 00735858196420	5	Intel® RAID Controller SRCSATAWB - PCIe x4, 8 port SATA RAID Controller, 128MB embedded memory, 16 physical devices, >8 requires expander backplane.
	SRCSASLS4I 896952 00735858201353	5	Intel® RAID Controller SRCSASLS4I - PCIe x8, 4P SAS RAID Controller, 128MB embedded memory, MD2 Low Profile, half length form factor.
	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.
	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.
	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.
	AXXSR16XXRAIDCA 909656 00735858216265	10	Mini-SAS cable, used with Intel® RAID adds-in card with SGPIO

B.   INTEL® SYSTEM MANAGEMENT SOFTWARE – UPGRADE ORDER CODES:

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* are as follows:

- Small Network Edition - This upgrade gives the user the ability to manage up to five 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 one or five Server Management license - This upgrade gives the user the ability to manage one or five additional Windows-based server OSE.

- Upgrade to add five or 20 Client Management licenses - This upgrade gives the user the ability to manage five or 20 additional Windows-based client OSEs.

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

Product Code	UPC	MM	Description	Picture	MOQ
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

VMWARE* vSPHERE* AND vCENTER* SERVER SKUs – ORDER CODES

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 three hosts (Max. two processors per host and 6 cores per processor), with one year VMware* Subscription.

- Essentials Plus: This license activation code gives the user VMware* vSphere* 4 Essentials Plus Bundle for theree hosts (Max. two processors per host and six cores per processor), with one year VMware* Gold Support and Subscription.

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

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

Product Code	UPC	MM	Description	MOQ
VMW4ESS	7 35858 21272 4	904791	Software license activation code certificate for VMware* vSphere* 4 Essentials Bundle for three hosts (Max. two CPUs per host and six cores per CPU) with one year VMware* Subscription.	1
VMW4ESSPLUS	7 35858 21273 1	904792	Software license activation code certificate for VMware* vSphere* 4 Essentials Plus Bundle for theree hosts (Max. two CPUs per host and six	1

Product Code	UPC	MM	Description	MOQ
			cores per CPU) with one year VMware* Gold Support and Subscription.	
VMW4STD	7 35858 21274 8	904793	Software license activation code certificate for VMware* vSphere* 4 Standard for one Processor (Max. six cores per CPU) with one year VMware* Gold Support and Subscription.	1
VMW4ADV	7 35858 21275 5	904797	Software license activation code certificate for VMware* vSphere* 4 Advanced for one Processor (Max. 12 cores per CPU) with one 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 one Processor (Max. 12 cores per CPU) with one 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 one year VMware* Gold Support and Subscription.	1