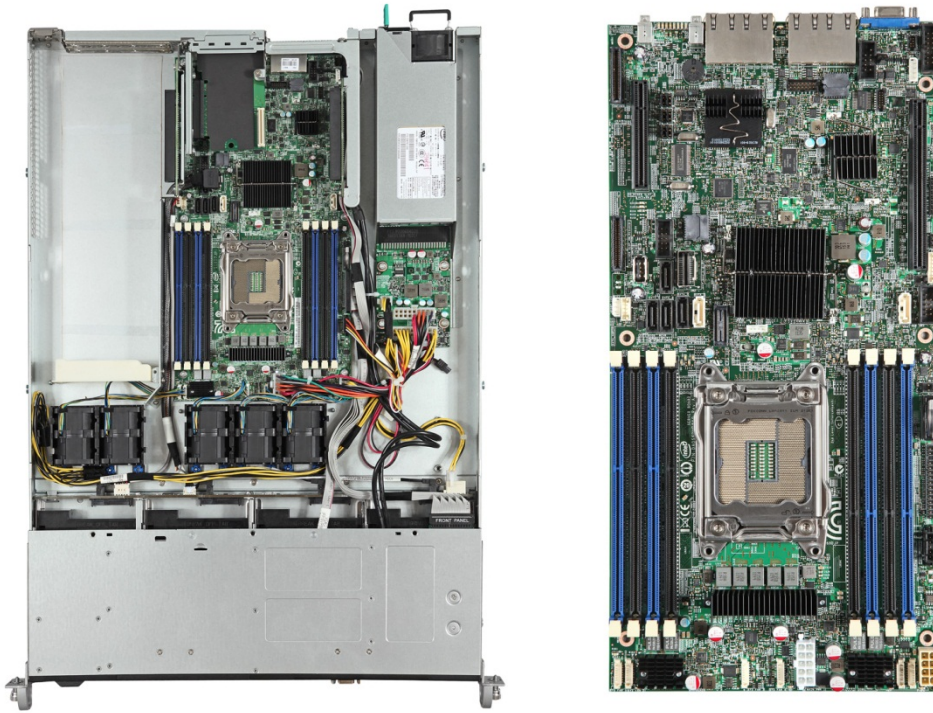


Intel® Server Board S1600JP Family
Intel® Server System R1000JP Family
Spares/Accessories List and Configuration Guide



A reference guide to assist customers in ordering the necessary components to configure the Intel® Server Board S1600JP and the appropriate 1U Intel Rack Mount Server Systems



Revision 1.2

September 2013

Enterprise Platforms and Services Marketing

Revision History

Date	Revision Number	Modifications
September 2012	0.8	Production draft.
October 2012	0.9	First publication.
October 2012	1.0	Updated pictures and descriptions.
June 2013	1.1	Added notes to AXXRJ45DB93.
September 2013	1.2	Added notes to AXX2POSTBRCKT

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1. System Product Order Codes

1.1 Product Descriptions – Overview

System products based on the Intel® Server Board S1600JP are offered in a variety of options to provide the most flexibility and I/O capability for customers.

Integrated systems include drive carriers and power supplies for a specific configuration.

The Intel® Server Board S1600JP is only offered in bulk 10-packs outside of configured systems.

1.2 Summary Chart

For a quick overview, all configuration options are summarized in the chart below. Reference details below in this document for MM numbers, configuration details, and product order codes.

Intel® Server Chassis and Systems shipped to the US & Canada contain North American power cords. North American customers no longer need to order skus ending in “NA” to receive power cords on these products.



1U Intel® Server Systems:

Product Code	HDD	# of HDD	Power Supply	I/O Riser Config	Rails Inc.	Storage Upgrade Key	Available	RAID	RMM Inc.	Launch
R1304JP4GS	3.5	4	1 x 750W AC	1x16 FHFL 1x16 LP	Value	N/A	4 SATA	SW	No	Q1'13
R1304JP4OC	3.5	4	2 x 450W AC	2x8 FHFL 1x16 LP	Value	N/A	4 SATA	SW	No	Q1'13
R1304JP4TC	3.5	4	2 x 450W DC	2x8 FHFL 1x16 LP	Value	N/A	4 SATA	SW	No	Q1'13
R1208JP4GS	2.5	8	1 x 750W AC	1x16 FHFL 1x16 LP	Value	N/A	8 SATA	SW	No	Q1'13
R1208JP4OC	2.5	8	2 x 450W AC	2x8 FHFL 1x16 LP	Value	N/A	8 SATA	SW	No	Q1'13
R1208JP4TC	2.5	8	2 x 450W DC	2x8 FHFL 1x16 LP	Value	N/A	8 SATA	SW	No	Q1'13



Board:



Product Code	Board Form Factor	Ethernet	Storage Port configuration	Rear IOM riser / carrier	RMM4 Lite Key	Intel® RAID C600 Upgrade Key	Launch
BBS1600JP4	6.8" W x 13.8" L	Quad 1GbE	4x 3Gb SATA/SAS (mini-SAS conn) from SCU 4x 3Gb SATA (7-pin conn) from SATA controller 2x 6Gb SATA (7-pin conn) from AHCI	Not included	Not included	Not included	Nov'12
BBS1600JP2	6.8" W x 13.8" L	Dual 1GbE	4x 3Gb SATA/SAS (mini-SAS conn) from SCU 4x 3Gb SATA (7-pin conn) from SATA controller 2x 6Gb SATA (7-pin conn) from AHCI	Not included	Not included	Not included	Build To Order



1.3 Available Production Board Order Codes

Image	Product Code MM UPC EAN MOQ	Description
 <p>*Quad NIC board shown</p>	<p>BBS1600JP4 923163 00735858253178 5032037046190 10</p>	<p>Production Intel® Server Board S1600JP4 (OEM 10-pack version)</p> <ul style="list-style-type: none"> - 6.8" W x 13.8" L - 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs - 4x 3Gb/s SATA/SAS ports (mini-SAS connector) from SCU, 4x 3Gb/s SATA ports (7-pin connector) from SATA controller, 2x 6Gb/s SATA ports from AHCI (one supports SATA DOM) - 2 PCIe3 x16 and 1 PCIe3 x8 capable slots (not PCIe Sig compatible) - Quad 1GbE - Compatible with Intel® Xeon® processor E5-2600 and E5-1600 series <p>Note: Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended for large customers only.</p>
 <p>*Quad NIC board shown</p>	<p>BBS1600JP2 923164 00735858253185 5032037046206 10</p>	<p>Production Intel® Server Board S1600JP2 (OEM 10-pack version) (Note this SKU is Build to Order only)</p> <ul style="list-style-type: none"> - 6.8" W x 13.8" L - 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs - 4x 3Gb/s SATA/SAS ports (mini-SAS connector) from SCU, 4x 3Gb/s SATA ports (7-pin connector) from SATA controller, 2x 6Gb/s SATA ports from AHCI (one supports SATA DOM) - 2 PCIe3 x16 and 1 PCIe3 x8 riser slots - Dual 1GbE - Compatible with Intel® Xeon® processor E5-2600 and E5-1600 series <p>Note: Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended for large customers only.</p>

1.4 Available Production System order codes



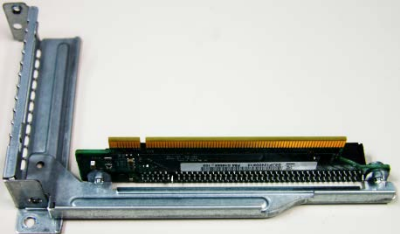


Image	Product Code MM UPC EAN MOQ	Description
 <p>*Demo only</p>	<p>R1304JP4GS 923168 735858254892 5032037047715 1</p>	<p>Production Intel® Server System R1304JP4GS</p> <ul style="list-style-type: none"> - Intel® Server Board S1600JP4 in 1U chassis (R1000JP4) - Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations; refer to Technical Product Specification - Standard control panel (board FXXFPANEL) - Front 1x VGA and 2x USB in dedicated tray - ODD bay for CD/DVD drive support - 4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FR1304HSBP) - Two risers: 1x16 PCIe FHFL slot (F1UJPMICRISER) for double width add-in card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER) - 5x 4056 dual rotor fans (F1UJPFAN) - 1U passive heatsinks (FXXE84X106HS) - Two air ducts: one for CPU and memory, one for double width add-in card - 750W PSU Power distribution board (F1UJP750WPDB) - Single 750W AC PSU (FXX750PCRPS) - Pre-routed cables (including MIC power cable) - Basic rack rail (AXXELVRAIL) <p>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</p> <p>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</p>
 <p>*Demo only</p>	<p>R1208JP4GS 923169 735858254908 5032037047722 1</p>	<p>Production Intel® Server System R1208JP4GS</p> <ul style="list-style-type: none"> - Intel® Server Board S1600JP4 in 1U chassis (R1000JP4) - Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations; refer to Technical Product Specification - Standard control panel (board FXXFPANEL) - Front 1x VGA and 2x USB in dedicated tray - ODD bay for CD/DVD drive support - 8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP) - Two risers: 1x16 PCIe FHFL slot (F1UJPMICRISER) for double width add-in card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER) - 5x 4056 dual rotor fans (F1UJPFAN) - 1U passive heatsinks (FXXE84X106HS) - Two air ducts: one for CPU and memory, one for GPGPU/MIC - 750W PSU Power distribution board (F1UJP750WPDB) - Single 750W AC PSU (FXX750PCRPS) - Pre-routed cables (including MIC power cable) - Basic rack rail (AXXELVRAIL) <p>There are no additional required components to make this</p>


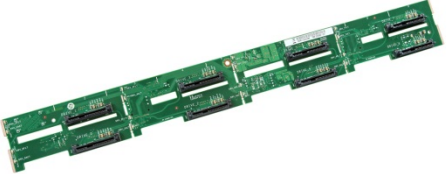
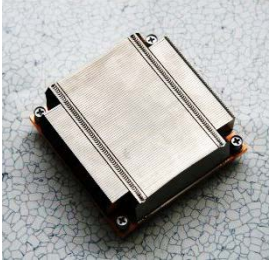

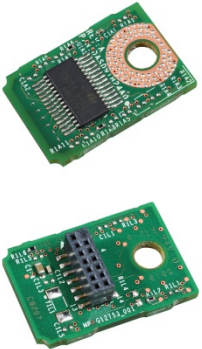
		<p>system functional – just add processors, memory, and HDDs.</p> <p>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</p>
	<p>R1304JP4OC</p> <p>923165</p> <p>735858254878</p> <p>5032037047692</p> <p>1</p>	<p>Production Intel® Server System R1304JP4OC</p> <ul style="list-style-type: none"> - Intel® Server Board S1600JP4 in 1U chassis (R1000JP4) - Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification - Standard control panel (board FXXFPANEL) - Front 1x VGA and 2x USB in dedicated tray - ODD bay for CD/DVD drive support - 4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FR1304HSBP) - Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER) - 4x 4056 dual rotor fans (F1UJPFAN) - 1U passive heatsinks (FXXEA84X106HS) - One air duct for CPU and memory - 450W AC PSU Power distribution board (F1U450WPDB) - Two 450W AC PSU (F1U450WPSU) - Pre-routed cables - Basic rack rail (AXXELVRAIL) <p>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</p> <p>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</p>
	<p>R1208JP4OC</p> <p>923166</p> <p>735858254885</p> <p>5032037047708</p> <p>1</p>	<p>Production Intel® Server System R1208JP4OC</p> <ul style="list-style-type: none"> - Intel® Server Board S1600JP4 in 1U chassis (R1000JP4) - Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification - Standard control panel (board FXXFPANEL) - Front 1x VGA and 2x USB in dedicated tray - ODD bay for CD/DVD drive support - 8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP) - Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER) - 4x 4056 dual rotor fans (F1UJPFAN) - 1U passive heatsinks (FXXEA84X106HS) - One air duct for CPU and memory - 450W AC PSU Power distribution board (F1U450WPDB) - Two 450W AC PSU (F1U450WPSU) - Pre-routed cables - Basic rack rail (AXXELVRAIL) <p>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</p> <p>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</p>






		SAS Module.
	<p>R1304JP4TC</p> <p>923170</p> <p>735858254915</p> <p>5032037047739</p> <p>1</p>	<p>Production Intel® Server System R1304JP4TC</p> <ul style="list-style-type: none"> - Intel® Server Board S1600JP4 in 1U chassis (R1000JP4) - Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification - Standard control panel (board FXXFPANEL) - Front 1x VGA and 2x USB in dedicated tray - ODD bay for CD/DVD drive support - 4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FR1304HSBP) - Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER) - 4x 4056 dual rotor fans (F1UJPFAN) - 1U passive heatsinks (FXXE84X106HS) - One air duct for CPU and memory - 450W DC PSU Power distribution board (FXX450WDCPDB) - Two 450W DC PSU (F1U450WDCPS) - Pre-routed cables - Basic rack rail (AXXELVRAIL) <p>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</p> <p>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</p>
	<p>R1208JP4TC</p> <p>923172</p> <p>735858254922</p> <p>5032037047746</p> <p>1</p>	<p>Production Intel® Server System R1208JP4TC</p> <ul style="list-style-type: none"> - Intel® Server Board S1600JP4 in 1U chassis (R1000JP4) - Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification - Standard control panel (board FXXFPANEL) - Front 1x VGA and 2x USB in dedicated tray - ODD bay for CD/DVD drive support - 8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP) - Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER) - 4x 4056 dual rotor fans (F1UJPFAN) - 1U passive heatsinks (FXXE84X106HS) - One air duct for CPU and memory - 450W DC PSU Power distribution board (FXX450WDCPDB) - Two 450W DC PSU (F1U450WDCPS) - Pre-routed cables - Basic rack rail (AXXELVRAIL) <p>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</p> <p>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</p>

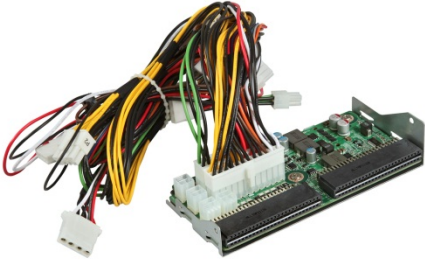




2. Spares and Accessories Order Codes

2.1 General Spares and Accessories

Image	Product Code MM UPC EAN MOQ	Description
	<p>AXXRMM4LITE</p> <p>911660</p> <p>00735858219297</p> <p>5032037014946</p> <p>1</p>	<p>Accessory Activation key for enabling advanced management features of BMC</p> <p>Note: If you only integrate the AXXRMM4LITE, not the A1UJPRMM4IOM, the BMC will utilize shared NIC.</p>
	<p>A1UJPRMM4IOM</p> <p>924114</p> <p>73585825334</p> <p>5032037046367</p> <p>1</p>	<p>This accessory is used when adding management and/or I/O Module accessories for connectivity (i.e. LAN or IB).</p> <p>PCI Express x8 (98 pin) rIOM riser and rIOM carrier board kit for supporting dedicated RMM4 NIC port and containing Intel® I/O module on Slot2 for S1600JP and R1000JP family</p> <p>Note: The AXXRMM4LITE is NOT included. It must be ordered separately for advanced management features. Also I/O Modules are sold separately.</p>
 <p>*Bracket not included</p>	<p>F1UJP1X16RISER</p> <p>924113</p> <p>735858253338</p> <p>5032037046350</p> <p>10</p>	<p>Spare 1U PCI Express x16 riser card for supporting in-board low-profile PCIe adding card of Slot1 on S1600JP and R1000JP family</p> <p>Note: This riser is included in all systems.</p>
	<p>F1UJP2X8RISER</p> <p>924104</p> <p>735858254953</p> <p>5032037047777</p> <p>10</p>	<p>Spare 1U PCI Express 2x8 riser card for supporting FHFL single width PCIe adding card (top x8 slot is mechanical x16) of Slot3 on R1000JP family</p> <p>Note: This riser is included in systems with product codes ending in C.</p>
	<p>F1UJPMICRISER</p> <p>924112</p> <p>735858254960</p>	<p>Accessory for using in place of included 2x8 Riser above, for customers wishing to utilize double width add-in card</p> <p>1U PCI Express 1x16 riser card for supporting FHFL double width PCIe add-in card in Slot3 on R1000JP family</p>

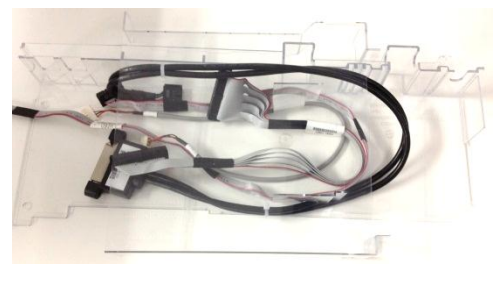
<p>*Demo only</p>	<p>5032037047784</p> <p>10</p>	<p>Note: This riser is included in systems with product codes ending in S.</p>
	<p>FR1304HSBP</p> <p>912384</p> <p>735858219334</p> <p>5032037015783</p> <p>1</p>	<p>Hot swap backplane board spare for 1U 4x3.5" chassis (R1304 family)</p>
	<p>F1U8X25HSBP</p> <p>917977</p> <p>735858241014</p> <p>5032037035767</p> <p>1</p>	<p>Hot swap backplane board spare for 1U 8x2.5" chassis (R1208 family)</p>
 <p>*Demo only</p>	<p>FXXCA84X106HS</p> <p>918318</p> <p>735858236676</p> <p>5032037031448</p> <p>2</p>	<p>1U Standard Cu/Al 84mm x 106mm Heat Sink</p> <p>Note: FXXCA84X106HS is an accessory needed for supporting the Max TDP processor – 135W and 130W Intel® Xeon® Processor E5-1600 Family in R1000JP system alternatively boxed heatsink product code STS200P can be utilized.</p>
	<p>FXXEA84X106HS</p> <p>918321</p> <p>735858236683</p> <p>5032037031455</p> <p>2</p>	<p>1U Standard Ex-Al 84mm x 106mm Heat Sink</p> <p>This heatsink spare is for all systems (matches the included system HS).</p>
	<p>AXXTPME5</p> <p>919737</p> <p>735858240352</p> <p>5032037035088</p> <p>1</p>	<p>Accessory Trusted Platform Module for server systems (TPM 1.2)</p>

 <p>*Demo only</p>	<p>F1UJPFAN 924118 735858255004 5032037047821 5</p>	<p>40x56mm Dual Rotor Fan spare for R1000JP family</p>
	<p>FXX750PCRPS 915604 735858234979 5032037030601 1</p>	<p>750W AC CRPS 80+ Platinum efficiency power supply spare/accessory</p>
 <p>*Demo only not actual photo</p>	<p>F1U450WDCPS 925606 735858255011 5032037047838 1</p>	<p>450W DC Power Supply spare</p>
 <p>*Demo only</p>	<p>F1U450WPSU 921471 TBA TBA 1</p>	<p>450W AC miniERP 80+ Gold efficiency power supply spare</p>
 <p>Coming Soon</p>	<p>F1U450WPDB 921473 TBA TBA 1</p>	<p>450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare</p>
<p>Coming Soon</p>	<p>FXX450WDCPDB</p>	<p>450W DC PSU power distribution board spare</p>

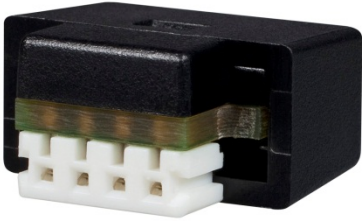
	<p>924098</p> <p>735858254939</p> <p>5032037047753</p> <p>10</p>	
 <p>*Demo only not actual photo</p>	<p>F1UJP750WPDB</p> <p>924103</p> <p>735858254946</p> <p>5032037047760</p> <p>10</p>	750W AC PSU power distribution board spare
 <p>*Demo only</p>	<p>A1U2ULCP</p> <p>921028</p> <p>735858245302</p> <p>5032037039826</p> <p>1</p>	<p>Accessory LCP Module (local control panel)</p> <p>Enables system to display critical errors from SEL for instant diagnostic. Also allows custom message for branding. When installed, it replaces ODD on 1208 family, and replaces I/O ports tray on 1304. This module has two USB ports. No front video connector.</p>
	<p>FXXFPANEL</p> <p>915982</p> <p>00735858222419</p> <p>5032037018968</p> <p>1</p>	<p>Front Panel board spare for use on 1U/2U rack systems (R1000, R2000 except R2224 and R2312) Rack chassis and P4300 Pedestal Chassis</p>
	<p>A1UBEZEL</p> <p>917983</p> <p>735858241120</p> <p>5032037035873</p> <p>1</p>	1U locking bezel accessory with two branding clip-on inserts for logo and one snap-on swoosh
	<p>AXXSATADVDR0 M</p> <p>906872</p> <p>735858197663</p> <p>5032037015127</p>	Slimline SATA DVDROM Device accessory

	1	
	<p>AXXSATADVDRW ROM</p> <p>906873</p> <p>735858197670</p> <p>5032037015134</p> <p>1</p>	Slim SATA DVD+-RW ROM accessory
	<p>AXX1U2UCMA</p> <p>913117</p> <p>735858224604</p> <p>5032037019972</p> <p>1</p>	Accessory cable management arm for Premium 1U/2U rail kit (works only with AXXPRAIL)
	<p>FXX25HSCAR</p> <p>918807</p> <p>735858241182</p> <p>5032037035910</p> <p>8</p>	2.5" HDD hot swap carrier spares
	<p>FXX35HSADPB</p> <p>912771</p> <p>00735858219495</p> <p>5032037016391</p> <p>8</p>	3.5" HDD hot swap carrier spares
	<p>AXXELVRAIL</p> <p>920970</p> <p>00735858244367</p> <p>5032037038980</p> <p>1</p>	Value Rail Kit, half extension, extended inner slide member

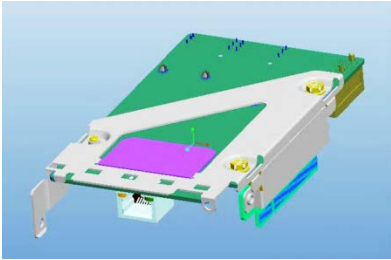

	<p>AXXPRAIL755 922104 735858249065 5032037043724 1</p>	<p>Short 1U/2U Premium Rail Kit, no CMA support Full extension and toolless rail kit. Rail allows adjustment within 609.6mm~762mm to fit different depth rack. Maximum extension when installed (travel distance) 755 mm</p>
	<p>AXXPRAIL 912797 735858219686 5032037014823 1</p>	<p>1U/2U Premium Rail Kit Full extension and toolless rail kit. Supports cable management arm. Rail allows adjustment within 609.6mm~762mm to fit different depth rack. Maximum extension when installed (travel distance) 800 mm</p>
 <p>*Demo only</p>	<p>AXX2POSTBRCKT 918808 735858245319 5032037039833 1</p>	<p>Fixed mount bracket kit for 2-post racks Note: It will only support specific rack type with 3/8" square and 7.1mm round holes. Not compatible with 2U 24 x 2.5" HDD or 2U 12 x 3.5" HDD systems.</p>
	<p>FPWRCABLENA 879287 735858181129 5032037015738 1</p>	<p>North American Power Cord spare</p>
	<p>AXXRJ45DB93 920430 735858242820 5032037037525 1</p>	<p>Accessory Kit that allows connection to internal Serial port Kit of the following cables: 1040mm Serial 10pin header to DB9 Cable 520mm Serial 10pin header to DB9 Cable 100mm DCD RJ45 to DB9 Cable 100mm DSR RJ45 to DB9 Cable Note: There is no additional space on R1000JP chassis rear panel for external serial port, so this accessory kit cannot be used on R1000JP system.</p>

	<p>F1UJPMKIT</p> <p>924117</p> <p>735858254991</p> <p>5032037047814</p> <p>1</p>	<p>Chassis maintenance kit for R1000JP system</p> <p>Kit of the following items:</p> <ul style="list-style-type: none">I²C cableFront panel USB cableFront video cableFront panel cableScrews2 air ducts
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2.2 Dynamic Key Spares and Accessories




Image	Product Code MM UPC EAN MOQ	Description
 <p data-bbox="285 1041 410 1066">*Demo only</p>	When no key installed	4 SATA channels active with SW RAID "basic" which includes RSTe SW RAID 0/1/10/5 + LSI* SW RAID 0/1/10
	RKSATA4R5 916346 735858238861 5032037033640 5	Intel® RAID C600 Upgrade Key RKSATA4R5 enables LSI* SATA SW RAID 5, Black
	RKSAS4 916349 735858238892 5032037033671 5	Intel® RAID C600 Upgrade Key RKSAS4 activates 4 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI* SW RAID 0/1/10, Green
	RKSAS4R5 916350 735858238908 5032037033688 5	Intel® RAID C600 Upgrade Key RKSAS4R5 activates 4 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI* SW RAID 0/1/10/5 (enables LSI* SWR5), Yellow


2.3 Integrated 6Gb/s SAS

Image	Product Code MM UPC EAN MOQ	Description
	<p>A1UJP6GKIT 924115 735858254977 5032037047791 1</p>	<p>This accessory is used when adding 6G SAS module into Slot 2.</p> <p>6Gb/s SAS kit accessories for R1000JP system, including rIOM riser for 6Gb/s SAS of Slot2, 6Gb/s SAS module RMS25LB080 and cables, dedicated NIC port for management.</p> <p>Note: The AXRMM4LITE is NOT included. It must be ordered seperately to enable advanced management features of BMC.</p>
	<p>RMS25LB080 924116 735858254984 5032037047807 1</p>	<p>Spare 6Gb/s SAS module with 8 internal ports using LSI* 2308 controller.</p> <p>Note: This module is included in the A1UJP6GKIT accessory above.</p>



2.4 Expansion Modules: I/O Module, SAS Module


Image	Product Code MM UPC EAN MOQ	Description
	<p>AXX10GBNIAIOM</p> <p>917905</p> <p>735858241090</p> <p>5032037035842</p> <p>1</p>	<p>Dual SFP + port 10GbE IO module based on Intel® 82599 10 Gigabit Ethernet Controller</p> <p>Supports direct connect or transceiver. Cables/transceivers not included.</p> <p>Includes three screws.</p> <p>Note: A1UJPRMM4IOM needs to be pre-installed.</p>
	<p>AXX10GBTWLHW</p> <p>924136</p> <p>735858254038</p> <p>5032037047142</p> <p>1</p>	<p>Dual RJ-45 port 10GBASE-T IO module, based on Intel® Ethernet Controller X540</p> <p>Includes three screws.</p> <p>Note: A1UJPRMM4IOM needs to be pre-installed.</p>
 <p>*Dual port shown</p>	<p>AXX1FDRIBIOM</p> <p>918607</p> <p>735858241106</p> <p>5032037035859</p> <p>1</p>	<p>Single port, FDR 56GT/S speed Intel I/O Expansion Infiniband module, with QSFP connector, based on Mellanox* CX3 MT27504A1-FCCR-FV chip.</p> <p>Includes three screws.</p> <p>Note: A1UJPRMM4IOM needs to be pre-installed.</p>
	<p>AXX2FDRIBIOM</p> <p>920627</p> <p>735858245722</p> <p>5032037040235</p> <p>1</p>	<p>Dual port, FDR 56GT/S (per port capable) speed Infiniband module, with QSFP connector, based on Mellanox* CX3 MT27508A1-FCCR-FV chip.</p> <p>Note: Due to PCIe3 x8 bandwidth limitation, both ports cannot simultaneously function at full speed.</p> <p>Includes three screws.</p> <p>Note: A1UJPRMM4IOM needs to be pre-installed.</p>

	<p>AXX4P1GBPWL1OM 917911 735858241083 5032037035835 1</p>	<p>Quad port 1GbE IO Module based on Intel[®] Ethernet Controller I350</p> <p>Note: A1UJPRMM4IOM needs to be pre-installed.</p>
	<p>PCIe card: 8 ports RMS25KB080 917089 735858244831 5032037039406 1 PCIe card: 4 ports RMS25KB040 917090 735858239035 5032037033817 1</p>	<p>Entry-raid SAS Module: Internal SAS-2.1 version, Entry-level LSI* IR-based RAID 0, 1, 1E/straight SAS Based on LSI2308.</p> <p>PCIe card form factor: Compatible with all EPSD boards, requires PCIe x8 slot.</p>
	<p>PCIe card: 8 ports RMS25PB080 917056 735858238946 5032037033725 1 PCIe card: 4 ports RMS25PB040 917078 735858238953</p>	<p>HW RAID SAS Module: 4/8 port internal SAS-2.1 version, Full HW RAID, LSI* MegaRAID-based Firmware, 1GB DDR3, 0,1,10,5,50,6,60 Supports Battery Backup Unit. Based on LSI2208.</p> <p>PCIe card form factor: Compatible with all EPSD boards, requires PCIe x8 slot.</p>

	5032037033732 1	
 *Demo only	AXXRSBBU9 919738 00735858220286 5032037039567 1	Intel® RAID Smart Battery AXXRSBBU9
 *Demo only	AXXRMFBU2 919876 00735858244541 5032037039116 1	Intel® RAID Maintenance Free Backup AXXRMFBU2

Service: On-site Repair, Extended Warranty

Image	Product Code MM MOQ	Description
	SVCEWUPSY 911293 1	Two year extended warranty for Intel® Server Systems that support single processor
	SVCEWUPBD 911292 1	Two year extended warranty for Intel® Server Boards that support single processor

 <p>Intelligence. Intel® Server Component Extended Warranty. 30 Day</p> <p>Intel® Server Component Extended Warranty Key</p> <p>XXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXX</p> <p>Expires in 30 Days</p> <p>Directions to enable Intel® Server Component Extended Warranty</p> <ol style="list-style-type: none"> 1. Search for the Intel® Server Component Extended Warranty Key on the Intel® Server Support Center (ISC) website at www.intel.com/isc and follow the instructions to activate the warranty. 2. Call the Intel® Server Support Center (ISC) at 1-800-541-5555 for assistance. The ISC representative will provide you with the steps to activate the warranty. 3. For more information, visit the Intel® Server Support Center website at www.intel.com/isc. 	<p>SVCORUPSY</p> <p>916901</p> <p>1</p>	<p>Intel® On-site repair for single processor Intel® Server Systems</p>
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2.5 VMware Product Descriptions – Overview

VMware vSphere* software is available as an accessory 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.

Licensing Per Processor with vRAM Entitlements: VMware vSphere* 5 is licensed on a per-processor basis with a vRAM entitlement. Each VMware vSphere* 5 processor license comes with an entitlement to a certain amount of vRAM capacity, or memory configured to virtual machines. For more information, VMware’s licensing whitepaper can be found at <http://www.vmware.com/products/vsphere/overview.html>.

2.6 VMware vSphere* and vCenter* Server SKUs

Each VMware vSphere* SKU contains a paper certificate with a software product activation code. As directed on the certificate, the end user must register the product activation code with VMware at <http://www.vmware.com/code/intel> to access VMware Software, Support and Subscription Services.

VMware vSphere* and vCenter* Server Editions

All VMware vSphere* SKUs (except Essentials) are bundled either with 1 year VMware Basic (12x5) or with 1 year VMware Production (24x7) Support and Subscription. The Essentials SKU is bundled with 1 year VMware Subscription.

Essentials	VMware vSphere* 5 Essentials Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Subscription.
Essentials Plus	VMware vSphere* 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
Standard	VMware vSphere* 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
Enterprise	VMware vSphere* 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
Enterprise Plus	VMware vSphere* 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
VMware vCenter* Server Standard for vSphere* 5	VMware vCenter* Server 5 Standard for vSphere* 5 (Per Instance) One instance of vCenter* Server is required to centrally manage virtual machines and their hosts and to enable all VMware vSphere* features on Standard, Enterprise and Enterprise Plus editions. with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription

VMware vSphere* and VMware vCenter* – Order Codes

Product Code	UPC	MM	Description	Minimum Order Quantity
VMW5ESS	7 35858 22474 1	918769	Paper certificate containing software license activation code for VMware vSphere* 5 Essentials Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Subscription.	1
VMW5ESSPLUS	7 35858 22475 8	918774	Paper certificate containing software license activation code VMware vSphere* 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5ESSPLUSP	7 35858 22476 5	918768	Paper certificate containing software license activation code for VMware vSphere* 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5STD	7 35858 22477 2	918773	Paper certificate containing software license activation code for VMware vSphere* 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5STDP	7 35858 22478 9	918767	Paper certificate containing software license activation code for VMware vSphere* 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5ENT	7 35858 22479 6	918772	Paper certificate containing software license activation code for VMware vSphere* 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5ENTP	7 35858 22484 0	918770	Paper certificate containing software license activation code for VMware vSphere* 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5ENTPLUS	7 35858 22480 2	918771	Paper certificate containing software license activation code for VMware vSphere* 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5ENTPLUSP	7 35858 22481 9	918760	Paper certificate containing software license activation code for VMware vSphere* 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5VCSTD	7 35858 22482 6	918742	Paper certificate containing software license activation code for VMware vCenter* Server 5 Standard for vSphere* 5 (Per Instance) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5VCSTDP	7 35858 22483 3	918759	Paper certificate containing software license activation code for VMware vCenter* Server 5 Standard for vSphere* 5 (Per Instance) with 1 year VMware Production (24x7) Support and Subscription.	1