# Intel<sup>®</sup> Server Board S1600JP Family Intel<sup>®</sup> Server System R1000JP Family Spares/Accessories List and Configuration Guide





A reference guide to assist customers in ordering the necessary components to configure the  $Intel^{\mbox{\tiny B}}$  Server Board S1600JP and the appropriate 1U Intel Rack Mount Server Systems



**Revision 1.6** 

May 2015

Intel<sup>®</sup> Server Boards and Systems

## **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	
January 2014	1.3	Updated the MM, UPC and EAN numbers for FXX1304HSBP	
February 2014	1.4	Removed End of Life "on site repair" option and End of Life VMware* options	
January 2015	1.5	Updated MM# of server system spare: DVD accessory	
May 2015	1.6	Updated latest product ordering information.	

#### Disclaimers

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Learn more at Intel.com, or from the OEM or retailer.

You may not use or facilitate the use of this document in connection with any infringement or other legal analysis concerning Intel products described herein. You agree to grant Intel a non-exclusive, royalty-free license to any patent claim thereafter drafted which includes subject matter disclosed herein.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

The products described may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade.

Intel, the Intel logo, Xeon, and Xeon Phi are trademarks of Intel Corporation in the U.S. and/or other countries.

\*Other names and brands may be claimed as the property of others.

Copyright © 2015 Intel Corporation. All Rights Reserved.

### **Table of Contents**

1
6
6
6

#### 1.1 Product Descriptions – Overview

System products based on the Intel<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> Server Systems:

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

Board:

Product	Board	Ethernet	Storage Port configuration	Rear	RMM4	Intel <sup>®</sup>	Launch
Code	Form			IOM	Lite Key	RAID C600	
	Factor			riser /		Upgrade	
				carrier		Кеу	
BBS1600JP4	6.8" W x	Quad	4x 3Gb SATA/SAS (mini-SAS conn) from	Not	Not	Not	Nov'12
	13.8" L	1GbE	SCU	included	included	included	
			4x 3Gb SATA (7-pin conn) from SATA				
			controller				
			2x 6Gb SATA (7-pin conn) from AHCI				
BBS1600JP2	6.8″ W x	Dual 1GbE	4x 3Gb SATA/SAS (mini-SAS conn) from	Not	Not	Not	Q4'12
	13.8" L		SCU	included	included	included	
			4x 3Gb SATA (7-pin conn) from SATA				
			controller				
			2x 6Gb SATA (7-pin conn) from AHCI				

Please see PCN113407-00 for the latest product ordering information.

#### **1.3 Available Production Board Order Codes**

	Product Code	
Image	MM UPC EAN MOQ	Description
*Quad NIC board shown	BBS1600JP4 923163 00735858253178 5032037046190 10	<ul> <li>Production Intel<sup>®</sup> Server Board S1600JP4 (OEM 10-pack version)</li> <li>6.8" W x 13.8" L</li> <li>8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs</li> <li>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)</li> <li>2 PCIe3 x16 and 1 PCIe3 x8 capable slots (not PCIe Sig compatible)</li> <li>Quad 1GbE</li> <li>Compatible with Intel<sup>®</sup> Xeon<sup>®</sup> processor E5-2600, E5-1600, E5-2600 v2 and E5-1600 v2 series</li> </ul>
		<b>Note</b> : Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended for large customers only.
*Quad NIC board shown	BBS1600JP2 923164 00735858253185 5032037046206 10	<ul> <li>Production Intel<sup>®</sup> Server Board S1600JP2 (OEM 10-pack version) (Note this SKU is built to Order only)</li> <li>6.8" W x 13.8" L</li> <li>8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs</li> <li>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)</li> <li>2 PCIe3 x16 and 1 PCIe3 x8 riser slots</li> <li>Dual 1GbE</li> <li>Compatible with Intel<sup>®</sup> Xeon<sup>®</sup> processor E5-2600, E5-1600, E5-2600 v2 and E5-1600 v2 series</li> </ul>
		<b>Note</b> : Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended for large customers only.

### 1.4 Available Production System order codes

	Product Code	
Image	MM UPC EAN MOQ	Description
	R1304JP4GS 923168 735858254892 5032037047715 1	<ul> <li>Production Intel<sup>®</sup> Server System R1304JP4GS</li> <li>Intel<sup>®</sup> Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations; refer to Technical Product Specification</li> <li>Standard control panel (board FXXFPANEL)</li> <li>Front 1x VGA and 2x USB in dedicated tray</li> <li>ODD bay for CD/DVD drive support</li> <li>4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FXX1304HSBP)</li> <li>Two risers: 1x16 PCIe FHFL slot (F1UJPMICRISER) for double width add-in card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>5x 4056 dual rotor fans (F1UJPFAN)</li> <li>1U passive heatsink (FXXEA84X106HS)</li> <li>Two air ducts: one for CPU and memory, one for double width add-in card</li> <li>750W PSU Power distribution board (F1UJP750WPDB)</li> <li>Single 750W AC PSU (FXX750PCRPS)</li> <li>Pre-routed cables (including MIC power cable)</li> <li>Basic rack rail (AXXELVRAIL)</li> </ul>
*Demo only		There are no additional required components to make this system functional – just add processors, memory, and HDDs.
		<b>Note</b> : Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.
<image/> <image/>	R1208JP4GS 923169 735858254908 5032037047722 1	<ul> <li>Production Intel<sup>®</sup> Server System R1208JP4GS</li> <li>Intel<sup>®</sup> Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations; refer to Technical Product Specification</li> <li>Standard control panel (board FXXFPANEL)</li> <li>Front 1x VGA and 2x USB in dedicated tray</li> <li>ODD bay for CD/DVD drive support</li> <li>8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP)</li> <li>Two risers: 1x16 PCIe FHFL slot (F1UJPMICRISER) for double width add-in card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>5x 4056 dual rotor fans (F1UJPFAN)</li> <li>1U passive heatsinks (FXXEA84X106HS)</li> <li>Two air ducts: one for CPU and memory, one for GPGPU/MIC</li> <li>750W PSU Power distribution board (F1UJP750WPDB)</li> <li>Single 750W AC PSU (FXX750PCRPS)</li> <li>Pre-routed cables (including MIC power cable)</li> <li>Basic rack rail (AXXELVRAIL)</li> </ul>
		There are no additional required components to make this system functional – just add processors, memory, and HDDs.

	<b>Note</b> : Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.
R1304JP4OC 923165 735858254878 5032037047692 1	<ul> <li>Production Intel<sup>®</sup> Server System R1304JP4OC <ul> <li>Intel<sup>®</sup> Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification</li> <li>Standard control panel (board FXXFPANEL)</li> <li>Front 1x VGA and 2x USB in dedicated tray</li> <li>ODD bay for CD/DVD drive support</li> <li>4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FXX1304HSBP)</li> <li>Two risers: 2x8 PCle FHFL slot (F1UJP2X8RISER), 1x16 PCle Low-profile slot (F1UJP1X16RISER)</li> <li>4x 4056 dual rotor fans (F1UJPFAN)</li> <li>1U passive heatsink (FXXEA84X106HS)</li> <li>One air duct for CPU and memory</li> <li>450W AC PSU Power distribution board (F1U450WPDB)</li> <li>Two 450W AC PSU (F1U450WPSU)</li> <li>Pre-routed cables</li> <li>Basic rack rail (AXXELVRAIL)</li> </ul> Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or</li></ul>
R1208JP4OC 923166 735858254885 5032037047708 1	<ul> <li>SAS Module.</li> <li>Production Intel<sup>®</sup> Server System R1208JP4OC <ul> <li>Intel<sup>®</sup> Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification</li> <li>Standard control panel (board FXXFPANEL)</li> <li>Front 1x VGA and 2x USB in dedicated tray</li> <li>ODD bay for CD/DVD drive support</li> <li>8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP)</li> <li>Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>4x 4056 dual rotor fans (F1UJPFAN)</li> <li>1U passive heatsink (FXXEA84X106HS)</li> <li>One air duct for CPU and memory</li> <li>450W AC PSU Power distribution board (F1U450WPDB)</li> <li>Two 450W AC PSU (F1U450WPSU)</li> <li>Pre-routed cables</li> <li>Basic rack rail (AXXELVRAIL)</li> </ul> </li> <li>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</li> </ul>

T		
	R1304JP4TC 923170 735858254915 5032037047739 1	<ul> <li>Production Intel<sup>®</sup> Server System R1304JP4TC <ul> <li>Intel<sup>®</sup> Server Board S1600JP4 in 1U chassis (R1000JP4)</li> </ul> </li> <li>Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification</li> <li>Standard control panel (board FXXFPANEL)</li> <li>Front 1x VGA and 2x USB in dedicated tray</li> <li>ODD bay for CD/DVD drive support</li> <li>4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FXX1304HSBP)</li> <li>Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>4x 4056 dual rotor fans (F1UJPFAN)</li> <li>1U passive heatsink (FXXEA84X106HS)</li> <li>One air duct for CPU and memory</li> <li>450W DC PSU Power distribution board (FXX450WDCPDB)</li> <li>Two 450W DC PSU (F1U450WDCPS)</li> <li>Pre-routed cables</li> <li>Basic rack rail (AXXELVRAIL)</li> </ul> Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Modulo
	R1208JP4TC 923172 735858254922 5032037047746 1	<ul> <li>SAS Module.</li> <li>Production Intel<sup>®</sup> Server System R1208JP4TC <ul> <li>Intel<sup>®</sup> Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations; refer to Technical Product Specification</li> <li>Standard control panel (board FXXFPANEL)</li> <li>Front 1x VGA and 2x USB in dedicated tray</li> <li>ODD bay for CD/DVD drive support</li> <li>8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP)</li> <li>Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER), 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>4x 4056 dual rotor fans (F1UJPFAN)</li> <li>1U passive heatsink (FXXEA84X106HS)</li> <li>One air duct for CPU and memory</li> <li>450W DC PSU Power distribution board (FXX450WDCPDB)</li> <li>Two 450W DC PSU (F1U450WDCPS)</li> <li>Pre-routed cables</li> <li>Basic rack rail (AXXELVRAIL)</li> </ul> </li> <li>Note: Slot 2 Riser is not included. Choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module.</li> </ul>

### 2. Spares and Accessories Order Codes

### 2.1 General Spares and Accessories

	Product Code		
	MM		
Image	UPC	Description	
	EAN		
	MOQ		
	AXXRMM4LITE	Accessory Activation key for enabling advanced	
		management features of BMC	
	911660	5	
	011000	Note: If you only integrate the AXXRMM4LITE, not	
	00735858219297	the A1UJPRMM4IOM, the BMC will utilize shared	
20 010.445-001 B2	00700000210207	NIC.	
RIMAEL	5032037014946		
	3032037014340		
	1		
	1		
		This accessory is used when adding management	
		and/or I/O Module accessories for connectivity (i.e.	
	A1UJPRMM4IOM	LAN or IB).	
	004444		
	924114	PCI Express x8 (98 pin) rIOM riser and rIOM carrier	
	70505005004	board kit for supporting dedicated RMM4 NIC port	
	73585825334	and containing Intel <sup>®</sup> I/O module on Slot2 for	
		S1600JP and R1000JP family	
	5032037046367	·	
Contraction of the second s		Note: The AXXRMM4LITE is NOT included. It must	
	1	be ordered seperately for advanced management	
		features. Also I/O Modules are sold seperately.	
	F1UJP1X16RISER	Spare 1U PCI Express x16 riser card for supporting	
		in-board low-profile PCIe adding card of Slot1 on	
	924113	S1600JP and R1000JP family	
		Note: This riser is included in all systems.	
	735858253338	Note. This riser is included in all systems.	
	5032037046350		
0.1			
*Bracket not included	10		
	F1UJP2X8RISER	Spare 1U PCI Express 2x8 riser card for supporting	
		FHFL single width PCIe adding card (top x8 slot is	
	924104	mechanical x16) of Slot3 on R1000JP family	
		Newsy This depends to the Line Street Street Street	
	735858254953	<b>Note</b> : This riser is included in systems with product	
Britania and Carlos and Carl		codes ending in C.	
	5032037047777		
	10		
	F1UJPMICRISER	Accessory for using in place of included 2x8 Riser	
<u>o</u>		above, for customers wishing to utilize double width	
Han and Antipates Antipate	924112	add-in card	
		1U PCI Express 1x16 riser card for supporting	
	735858254960	FHFL double width PCIe add-in card in Slot3 on	
		R1000JP family	
L	•		

*Demo only	5032037047784	
	10	<b>Note</b> : This riser is included in systems with product codes ending in S.
	FXX1304HSBP	Hot swap backplane board spare for 1U 4x3.5" chassis (R1304 family)
	917420	
	735858223126	
	5032037019323	
	1	
	F1U8X25HSBP	Hot swap backplane board spare for 1U 8x2.5"
	917977	chassis (R1208 family)
	735858241014	
	5032037035767	
	1	
	FXXCA84X106HS	1U Standard Cu/Al 84mm x 106mm Heat Sink
a the	918318	Note: FXXCA84X106HS is an accessory needed
	735858236676 735858236676	for supporting the Max TDP processor – 135W and 130W Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-1600 Family in R1000JP system alternatively boxed heatsink
G	5032037031448	product code STS200P can be utilized.
*Demo only	2	
	FXXEA84X106HS	1U Standard Ex-Al 84mm x 106mm Heat Sink
	918321	This heatsink spare is for all systems (matches the included system HS).
	735858236683	
	5032037031455	
	2	
		Accessory Trusted Platform Module for server
	AXXTPME5	systems (TPM 1.2)
and a statistical second	919737	
	735858240352	
	5032037035088	
A CONTRACT OF A CONTRACT	1	

*Demo only	F1UJPFAN 924118 735858255004 5032037047821 5 FXX750PCRPS	40mmx56mm Dual Rotor Fan spare for R1000JP family 750W AC CRPS 80+ Platinum efficiency power supply spare/accessory
Cars Action of the second seco	915604 735858234979 5032037030601 1	450W DC Power Supply spare
	F1U450WDCPS 925606 735858255011 5032037047838 1	
*Demo only not actual photo		
	F1U450WPSU 921471	450W AC mini ERP 80+ Gold efficiency power supply spare
Contraction of the second seco	ТВА	
	ТВА	
*Demo only	1	
	F1U450WPDB	450W AC mini ERP 80+ Gold efficiency power
	921473	supply PDB and Cage spare
	ТВА	
	ТВА	
	1	
Coming Soon	FXX450WDCPDB	450W DC PSU power distribution board spare

	924098	
	735858254939	
	5032037047753	
	10	
		750W AC PSU power distribution board spare
	F1UJP750WPDB	
	924103	
	735858254946	
	5032037047760	
	10	
*Demo only not actual photo	A1U2ULCP	Accessory LCP Module (local control panel)
	921028	Enables system to display critical errors from SEL for instant diagnostic. Also allows custom message for branding. When installed, it replaces ODD on
An Land	735858245302	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
	5032037039826	connector.
*Demo only	1	
	FXXFPANEL	Front Panel board spare for use on 1U/2U rack systems (R1000, R2000 except R2224 and R2312)
	915982	Rack chassis and P4300 Pedestal Chassis
	00735858222419	
	5032037018968	
	1	
	A1UBEZEL	1U locking bezel accessory with two branding clip-
	917983	on inserts for logo and one snap-on swoosh
•	735858241120	
	5032037035873	
	1	
	AXXSATADVDRO	Slimline SATA DVDROM Device accessory
March 1 (1977) and 1 (1977) and 1 (1977)	М	Note: Please see PCN113579-00 for details.
	937569	
	735858197663	
	5032037015127	

	1	
North State Office With State	AXXSATADVDRW ROM 937575 735858197670 5032037015134 1	Slim SATA DVD+/-RW ROM accessory Note: Please see PCN113579-00 for details.
	AXX1U2UCMA 913117 735858224604 5032037019972 1	Accessory cable management arm for Premium 1U/2U rail kit (works only with AXXPRAIL)
	FXX25HSCAR 918807 735858241182 5032037035910 8	2.5" HDD hot swap carrier spares
	FXX35HSADPB 912771 00735858219495 5032037016391 8	3.5" HDD hot swap carrier spares
A STATE OF THE STA	AXXELVRAIL 920970 00735858244367 5032037038980 1	Value Rail Kit, half extension, extended inner slide member

The list of the second	AXXPRAIL755 922104 735858249065 5032037043724 1	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
	AXXPRAIL 912797 735858219686 5032037014823 1	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
*Demo only	AXX2POSTBRCKT 918808 735858245319 5032037039833 1	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.
	FPWRCABLENA 879287 735858181129 5032037015738 1	North American Power Cord spare
	AXXRJ45DB93 920430 735858242820 5032037037525 1	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 <b>Note:</b> There is no additional space on R1000JP chassis rear panel for external serial port, so this accessory kit cannot be used on R1000JP system.

	F1UJPMKIT	Chassis maintenance kit for R1000JP system
	924117	Kit of the following items: I <sup>2</sup> C cable
	735858254991	Front panel USB cable Front video cable
	5032037047814	Front panel cable Screws
	1	2 air ducts

### 2.2 Dynamic Key Spares and Accessories

Image	Product Code MM UPC EAN MOQ	Description
	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	Intel <sup>®</sup> RAID C600 Upgrade Key RKSATA4R5 enables LSI* SATA SW RAID 5, Black
	916346	
	735858238861	
	5032037033640	
	5	
	RKSAS4	Intel <sup>®</sup> RAID C600 Upgrade Key RKSAS4 activates 4 SAS ports and includes RSTe SW RAID 0/1/10
	916349	(no RAID 5) and LSI* SW RAID 0/1/10, Green
	735858238892	
A A A A	5032037033671	
*Demo only	5	
	RKSAS4R5	Intel <sup>®</sup> RAID C600 Upgrade Key RKSAS4R5 activates 4 SAS ports and includes RSTe SW RAID
	916350	0/1/10 (no RAID 5) and LSI* SW RAID 0/1/10/5 (enables LSI* SWR5), Yellow
	735858238908	
	5032037033688	
	5	

### 2.3 Integrated 6Gb/s SAS

Image	Product Code MM UPC EAN MOQ	Description
	A1UJP6GKIT	This accessory is used when adding 6G SAS module into Slot 2.
	924115	6Gb/s SAS kit accessories for R1000JP system,
	735858254977	including rIOM riser for 6Gb/s SAS of Slot2, 6Gb/s SAS module RMS25LB080 and cables, dedicated
A CONTRACT OF A	5032037047791	NIC port for management.
	1	<b>Note</b> : The AXXRMM4LITE is NOT included. It must be ordered seperately to enable advanced management features of BMC.
	RMS25LB080	Spare 6Gb/s SAS module with 8 internal ports using LSI* 2308 controller.
	924116	Note: This module is included in the A1UJP6GKIT
	735858254984	accessory above.
A CONTRACTOR	5032037047807	
A second s	1	

### 2.4 Expansion Modules: I/O Module, SAS Module

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

AXX4P1GBPWLIOM 917911 735858241083 5032037035835 1	Quad port 1GbE IO Module based on Intel <sup>®</sup> Ethernet Controller I350 <b>Note</b> : A1UJPRMM4IOM needs to be pre-installed.
PCIe card: 8 ports RMS25KB080 917089 735858244831 5032037039406 1 PCIe card: 4 ports	Entry-raid SAS Module: Internal SAS-2.1 version, Entry-level LSI* IR-based RAID 0, 1, 1E/straight SAS Based on LSI2308. PCIe card form factor: Compatible with all Intel <sup>®</sup> Server boards, requires PCIe x8 slot.
RMS25KB040 917090 735858239035 5032037033817 1 PCle card: 8 ports	HW RAID SAS Module: 4/8 port internal SAS-2.1 version, Full HW RAID, LSI* MegaRAID-based
RMS25PB080 917056 735858238946 5032037033725 1	Firmware, 1GB DDR3, 0,1,10,5,50,6,60 Supports Battery Backup Unit. Based on LSI2208. PCIe card form factor: Compatible with all Intel <sup>®</sup> Server boards, requires PCIe x8 slot.
PCle card: 4 ports RMS25PB040 917078 735858238953	

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

#### Service: Extended Warranty

Image	Product Code MM MOQ	Description
The second state of the se		Two year extended warranty for Intel <sup>®</sup> Server Systems that support single processor
Model Same Component Extension Researcy Key	SVCEWUPSY	
	911293	
Expansion: 20 Days  from any is made into * Savar Composed Extended Transition  from the second state of the second State of the second Transition  from the second state of the second st	1	
(intel)		Two year extended warranty for Intel <sup>®</sup> Server Boards that support single processor
	SVCEWUPBD	
Madiff Same Conjunct Estimated Researcy Key restant internet control statute restant	911292	
Expansion 20 Days descentions to make low <sup>2</sup> form Conserved Extended Varianties 1. Some conserve and the plane is not an extended varianties 2. State and the plane is the plane is not extended with 3. State and the plane is the plane is not extended with 3. State and the plane is the state is the plane is not extended with 3. State and the plane is the state is the plane is not extended with 3. State and the plane is the state is the plane is not extended with 3. State and the plane is the state is the plane is not extended with 3. State and the plane is the state is the state is the state is the state 3. State and the plane is the state is the state is the state is the state 3. State and the state is the state 3. State and the state is the state 3. State and the state is th	1	