Intel® Server Board S1600JP Family Intel® Server System R1600JP 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 1.00

October 2012

Enterprise Platforms and Services Marketing

Revision History

September'12 - Rev 0.8 - Production draft

October '12 - Rev 0.9 - First publication

October '12 – Rev 1.0 – picture and description updates

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

Intel products are not intended for use in medical, life saving, life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel server boards, server chassis, and processors 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, Intel Xeon, Pentium, and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

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

Copyright © 2012, Intel Corporation

Table of Contents:

1. SY	YSTEM PRODUCT ORDER CODES	5
1.1 1.2	PRODUCT DESCRIPTIONS – OVERVIEW SUMMARY CHART	5
1.3 1.4	AVAILABLE PRODUCTION BOARD ORDER CODES	
2. SF	PARES AND ACCESSORIES ORDER CODES	10
2.1 2.2	GENERAL SPARES AND ACCESSORIES DYNAMIC KEY SPARES AND ACCESSORIES	
2.2 2.3 2.4	INTEGRATED 6GB/S SAS: Expansion modules: IO Module, SAS Module	
2.5	EXPANSION MODULES. TO MODULE, SAS MODULE SERVICE: ON-SITE REPAIR, EXTENDED WARRANTY VMware Product Descriptions – Overview	
2.6 2.7	VMWARE PRODUCT DESCRIPTIONS – OVERVIEW VMWARE VSPHERE* AND VCENTER* SERVER SKUS	

1. System Product Order Codes

1.1 Product Descriptions – Overview

System Product based on the Intel® Server Board S1600JP will be offered in variety of options to provide the most flexibility and I/O capability for customer.

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

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

1.2 Summary chart

For a quick overview, all configuration options are summarized on below chart. 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 will contain North American power cords. North American customers no longer need to order skus ending in "NA" to receive power cords on these products.

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

1U Intel® Server Systems:

Board:

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

1.3 Available Production Board order codes

Image	Product Code MM UPC EAN MOQ	Description
*Quad NIC board shown	BBS1600JP4 923163 00735858253178 5032037046190 10	 Production Intel[®] Server Board S1600JP4 (OEM 10-pack version) 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. Note: Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended
*Quad NIC board shown	BBS1600JP2 923164 00735858253185 5032037046206 10	 CDS, or multiple pieces of documentation and is intended for large customers only Production Intel[®] Server Board S1600JP2 (OEM 10-pack version) (Note this SKU is Build to Order only) 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. Note: 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

Image	Product Code MM UPC EAN MOQ	Description
*Demo only	R1304JP4GS 923168 735858254892 5032037047715 1	 The Production Intel[®] Server System R1304JP4GS Intel[®] Server Board S1600JP4 in 1U chassis (R1000JP4) Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations, please 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 PCle FHFL slot (F1UJPMICRISER) for double width addin card, 1x16 PCle Low-profile slot (F1UJP1X16RISER) 5x 4056 dual rotor fans (F1UJPFAN) 1U passive heatsinks (FXXEA84X106HS) Two airducts: one for CPU and memory, one for double width addin card 750W PSU Power distribution board (F1UJP750WPDB) Single 750W AC PSU (FXX750PCRPS) Pre-routed cables (including MIC power cable) Basic rack rail (AXXELVRAIL) There are no additional required components to make this system functional – just add processors, memory, and HDDs. Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module
*Demo only	R1208JP4GS 923169 735858254908 5032037047722 1	 The Production Intel[®] Server System R1208JP4GS Intel[®] Server Board S1600JP4 in 1U chassis (R1000JP4) Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations, please 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 addin card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER) 5x 4056 dual rotor fans (F1UJPFAN) 1U passive heatsinks (FXXEA84X106HS) Two airducts: 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)

I		Nata Na Olat O Diagnia mating to to the second states
		Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module
	R1304JP4OC 923165 735858254878 5032037047692 1	 The Production Intel[®] Server System R1304JP4OC Intel[®] Server Board S1600JP4 in 1U chassis (R1000JP4) Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations, please reference 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 PCle FHFL slot (F1UJP2X8RISER) , 1x16 PCle Low-profile slot (F1UJP1X16RISER) 4x 4056 dual rotor fans (F1UJPFAN) 1U passive heatsinks (FXXEA84X106HS) One airducts for CPU and memory 450W AC PSU Power distribution board (F1U450WPDB) Two 450W AC PSU (F1U450WPSU) Pre-routed cables Basic rack rail (AXXELVRAIL) There are no additional required components to make this system functional – just add processors, memory, and HDDs. Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module
	R1208JP4OC 923166 735858254885 5032037047708 1	 The Production Intel[®] Server System R1208JP4OC Intel[®] Server Board S1600JP4 in 1U chassis (R1000JP4) Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations, please reference 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 airducts for CPU and memory 450W AC PSU Power distribution board (F1U450WPDB) Two 450W AC PSU (F1U450WPSU) Pre-routed cables Basic rack rail (AXXELVRAIL) There are no additional required components to make this system functional – just add processors, memory, and HDDs. Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module

		The Production Intel [®] Server System R1304JP4TC
		- Intel [®] Server Board S1600JP4 in 1U chassis
		(R1000JP4)
		- Max CPU TDP supported – 135W with
		FXXCA84X106HS and configuration limitations, please reference Technical Product Specification
		 Standard control panel (board FXXFPANEL)
		 Front 1x VGA and 2x USB in dedicated tray
	R1304JP4TC	 ODD bay for CD/DVD drive support
	000170	- 4x3.5" (and 2.5" SSDs) HS HDD support (carriers
	923170	FXX35HSADPB included, backplane FR1304HSBP)
	735858254915	- Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER),
	733030234913	1x16 PCIe Low-profile slot (F1UJP1X16RISER)
AT ALL ALL ALL ALL ALL ALL ALL ALL ALL A	5032037047739	 4x 4056 dual rotor fans (F1UJPFAN) 1U passive heatsinks (FXXEA84X106HS)
	5052057047755	- One airducts for CPU and memory
	1	 450W DC PSU Power distribution board
	•	(FXX450WDCPDB)
		- Two 450W DC PSÚ (F1U450WDCPS)
all fig.		- Pre-routed cables
		- Basic rack rail (AXXELVRAIL)
		There are no additional required components to make this
		system functional – just add processors, memory, and HDDs. Note: No Slot 2 Riser is not included, choose between
		A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or
		SAS Module
		The Production Intel [®] Server System R1208JP4TC
		- Intel [®] Server Board S1600JP4 in 1U chassis
		(R1000JP4)
		 Max CPU TDP supported – 135W with
		FXXCA84X106HS and configuration limitations, please
		 reference Technical Product Specification Standard control panel (board FXXFPANEL)
		 Standard control panel (board FXXFPANEL) Front 1x VGA and 2x USB in dedicated tray
	R1208JP4TC	 ODD bay for CD/DVD drive support
	000470	- 8x2.5" HS HDD support (carriers FXX25HSCAR
	923172	included, backplane F1U8X25HSBP)
	735858254922	- Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER),
	10000204922	1x16 PCIe Low-profile slot (F1UJP1X16RISER)
	5032037047746	 4x 4056 dual rotor fans (F1UJPFAN) 1U passive heatsinks (FXXEA84X106HS)
	0002007047740	- One airducts for CPU and memory
	1	 450W DC PSU Power distribution board
	•	(FXX450WDCPDB)
		- Two 450W DC PSÚ (F1U450WDCPS)
cy ib		- Pre-routed cables
		- Basic rack rail (AXXELVRAIL)
		There are no additional required components to make this
		system functional – just add processors, memory, and HDDs. Note: No Slot 2 Riser is not included, choose between
		A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or
		SAS Module
		SAS Module

2. Spares and Accessories Order Codes

2.1 General spares and accessories

	Product Code	
	MM	
Image	UPC	Description
	EAN	
	MOQ	
	AXXRMM4LITE	
	911660	Accessory Activation key for enabling advanced
	00735858219297	management features of BMC Note: If the you only integrate the AXXRMM4LITE,
Rins-ETT	5032037014946	and not the A1UJPRMM4IOM, the BMC will utilize shared NIC.
	1	
	A1UJPRMM4IOM	This accessory is used when adding management and or I/O Module accessories for connectivity (i.e. LAN or IB)
	924114	PCI Express x8 (98 pin) rIOM riser and rIOM carrier
	73585825334	board kit for supporting dedicated RMM4 NIC port and containing Intel® I/O module on Slot2 for
	5032037046367	S1600JP and R1000JP family
	1	NOTE : The AXXRMM4LITE is NOT included. It must be ordered seperately for advanced management features. Also I/O Modules are sold seperately.
	F1UJP1X16RISER	seperately.
C.		
	924113	Spare 1U PCI Express x16 riser card for supporting
	735858253338	in-board low-profile PCIe adding card of Slot1 on
	7330302333330	S1600JP and R1000JP family.
	5032037046350	NOTE : This riser is included with all systems.
*Bracket not included	10	
	F1UJP2X8RISER	
	924104	Spare 1U PCI Express 2x8 riser card for supporting
	735858254953	FHFL single width PCIe adding card (top x8 slot is mechanical x16) of Slot3 on R1000JP family
	5032037047777	NOTE : This riser is included in systems with product codes ending in C.
	10	
	F1UJPMICRISER	Accessory for using in place of included 2X8 Riser
	924112	above, for customers wishing to utilize double width addin card
	735858254960	1U PCI Express 1x16 riser card for supporting FHFL double width PCIe addin card in Slot3 on R1000JP family
		1

*Demo only	5032037047784	NOTE : This riser is included in systems with product codes ending in S.
	10	
	FR1304HSBP	
	912384	
	735858219334	Hot swap backplane board spare for 1U 4x3.5"
	5032037015783	chassis (R1304 family)
	1	
	F1U8X25HSBP	
	917977	
	735858241014	Hot swap backplane board spare for 1U 8x2.5"
	5032037035767	chassis (R1208 family)
	1	
	FXXCA84X106HS	
1 may	918318	1U Standard Cu/Al 84mm x 106mm Heat Sink
	735858236676	Note: FXXCA84X106HS is an accessory needed for supporting the Max TDP processor – 135W and
G	5032037031448	130W Intel® Xeon® Processor E5-1600 Family in R1000JP system alternatively boxed heatsink
*Demo only	2	product code STS200P can be utilized.
	FXXEA84X106HS	
1	918321	10 Standard Ex-Al 84mm x 106mm Heat Sink
	735858236683	
	5032037031455	This Heatsink Spare is for all systems (matches the included system HS)
	2	
	AXXTPME5	
avier - the faith and	919737	
1,110,2	735858240352	Accessory Trusted Platform Module for server systems (TPM 1.2)
	5032037035088	
a maintain a state	1	

F1UJPFAN 924118 735858255004 5032037047821 540x56mm Dual Rotor Fan spare for R1000JP family"Beno only"FXX750PCRPS 915604 735858234979 5032037030601 1750W AC CRPS 80+ Platinum efficiency power supply spare/accessoryImage: spare sp			1
FXX750PCRPS 915604 735858234979 5032037030601 1 F1U450WDCPS 925606 735858255011 5032037047838 1 *Demo only not actual photo F1U450WPSU 921471 TBA 1 *Demo only *Demo only F1U450WPDB 921473 TBA 1 F1U450WPDB 921473 TBA 1 F10450WPDB 921473 TBA 1 F10450WPDB 921473 TBA 1 F10450WPDB 921473 TBA 1 50W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare	*Demo only	924118 735858255004 5032037047821	
735858234979 5032037030601750W AC CRPS 80+ Platinum efficiency power supply spare/accessory111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 <td></td> <td>FXX750PCRPS</td> <td></td>		FXX750PCRPS	
Supply spare/accessory503203703060111F1U450WDCPS92560673585825501150320370478381*Demo only not actual photoF1U450WPSU921471TBA*Demo only*Demo only*Demo only*Demo onlyF1U450WPSU921471TBA1*Demo only*Demo only1*Demo only*Demo only*Demo only1*Demo only*Demo	GERE	915604	
5032037030601 1 1 1 1 1 1 F1U450WDCPS 925606 735858255011 5032037047838 450W DC Power Supply spare 1 5032037047838 1 5032037047838 1 5032037047838 1 5032037047838 1 5032037047838 1 F1U450WPSU 921471 TBA 450W AC miniERP 80+ Gold efficiency power supply spare 1 TBA 1 F1U450WPDB 921473 TBA 1 450W AC miniERP 80+ Gold efficiency power supply spare 1 TBA 1 1		735858234979	
FIU450WDCPS 925606 735858255011 5032037047838450W DC Power Supply spare*Demo only not actual photoF1U450WPSU 921471 TBA 1921471 450W AC miniERP 80+ Gold efficiency power supply spare*Demo only1F1U450WPSU 921471 TBA 1450W AC miniERP 80+ Gold efficiency power supply spare*Demo only1F1U450WPDB 921473 1450W AC miniERP 80+ Gold efficiency power supply spare*Demo only11*Demo only1 <td></td> <td>5032037030601</td> <td>Supply spare/accessory</td>		5032037030601	Supply spare/accessory
925606 735858255011 5032037047838 1925606 735858255011 5032037047838 1450W DC Power Supply spare'Demo only not actual photoF1U450WPSU 921471 TBA TBA TBA 1450W AC miniERP 80+ Gold efficiency power supply spare'Demo only1F1U450WPDB 921473 TBA TBA 1450W AC miniERP 80+ Gold efficiency power supply spare'Demo only1F1U450WPDB 921473 TBA TBA 1450W AC miniERP 80+ Gold efficiency power supply spare		1	
735858255011 5032037047838 1450W DC Power Supply spare*Demo only not actual photoF1U450WPSU 921471 TBA TBA450W AC miniERP 80+ Gold efficiency power supply spare*Demo only1F1U450WPDB*Demo only1450W AC miniERP 80+ Gold efficiency power supply spare*Demo only1F1U450WPDB921473 TBA 1450W AC miniERP 80+ Gold efficiency power supply spare*Demo only1F1U450WPDB921473 TBA 1TBA 111450W AC miniERP 80+ Gold efficiency power supply spare	1 and 1 and 1	F1U450WDCPS	
1 5032037047838 1 1 *Demo only not actual photo F1U450WPSU 921471 TBA 450W AC miniERP 80+ Gold efficiency power supply spare *Demo only 1		925606	
5032037047838 1 *Demo only not actual photo F1U450WPSU 921471 TBA *Demo only 1		735858255011	450W DC Power Supply spare
*Demo only not actual photo F1U450WPSU 921471 TBA 450W AC miniERP 80+ Gold efficiency power supply spare TBA 1 F1U450WPDB 921473 TBA 921473 TBA 450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare		5032037047838	
F1U450WPSU 921471 TBA *Demo only *Demo only 1 *Demo only 1 F1U450WPDB 921473 TBA 1 F1U450WPDB 921473 TBA 1 F1U450WPDB 921473 TBA 1 TBA 1		1	
921471921471TBA450W AC miniERP 80+ Gold efficiency power supply spareTBA1*Demo only1*Demo only1F1U450WPDB921473921473921473TBA450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spareTBA1	*Demo only not actual photo		
*Demo only *Demo only F1U450WPDB 921473 TBA 450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare 1		F1U450WPSU	
*Demo only *Demo only F1U450WPDB 921473 TBA 450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare 1	A A	921471	
*Demo only *Demo only F1U450WPDB 921473 TBA 450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare 1	· international · · · · · · · · · · · · · · · · · · ·	ТВА	
*Demo only F1U450WPDB 921473 TBA 450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare 1		ТВА	
921473 TBA TBA TBA TBA TBA TBA 1	*Demo only	1	
TBA450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spareTBA1		F1U450WPDB	
TBA supply PDB and Cage spare 1 1		921473	
TBA 1		ТВА	
	â	ТВА	אין איז
		1	
Coming Soon FXX450WDCPDB 450W DC PSU power distribution board spare	Coming Soon	FXX450WDCPDB	450W DC PSU power distribution board spare

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

	1	
	AXXSATADVDRW ROM	
Name of Street Print, March 1997	906873	
	735858197670	Slim SATA DVD+/-RW ROM Accessory
	5032037015134	
	1	
	AXX1U2UCMA	
	913117	
2	735858224604	Accessory Cable management arm for Premium 1U/2U rail kit (works only with
	5032037019972	AXXPRAIL)
	1	
	FXX25HSCAR	
	918807	
	735858241182	2.5" HDD hot swap carrier spares
the second second	5032037035910	
	8	
	FXX35HSADPB	
in the second seco	912771	
The second	00735858219495	3.5" HDD hot swap carrier spares
	5032037016391	
	8	
	AXXELVRAIL	
2 10 12	920970	
A State of the second s	00735858244367	Value Rail Kit, half extension, extended inner
L. L.L.	5032037038980	slide member
~	1	

A LA A CALL AND A CALL	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 difference 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 difference 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	
	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	

	F1UJPMKIT	Chassis maintenance kit for R1000JP system
	924117	Kit of the following items:
	735858254991	I2C cable Front panel USB cable
	5032037047814	Front Video cable Front panel cable
5	1	Screws 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		
	916346		
	735858238861	Intel® RAID C600 Upgrade Key RKSATA4R5 enables LSI SATA SW RAID 5, Black	
	5032037033640		
	5		
	RKSAS4		
	916349		
	735858238892	Intel® RAID C600 Upgrade Key RKSAS4 activates 4 SAS ports and includes RSTe SW RAID 0/1/10	
AAAA	5032037033671	(no RAID 5) and LSI SW RAID 0/1/10, Green	
*Demo only	5		
	RKSAS4R5		
	916350		
	735858238908	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	
	5032037033688	(enables LSI SWR5), Yellow	
	5		

2.3 Integrated 6Gb/s SAS:

Image	Product Code MM UPC EAN MOQ	Description	
	A1UJP6GKIT 924115 735858254977 5032037047791 1	This accessory is used when adding 6G SAS module into Slot 2 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. NOTE : The AXXRMM4LITE is NOT included. It must be ordered seperately to enable advanced management features of BMC.	
	RMS25LB080 924116 735858254984 5032037047807 1	Spare 6Gb/s SAS module with 8 internal ports using LSI 2308 controller. Note: This module is included in the A1UJP6GKIT accessory above.	

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® 82599 10 Gigabit Ethernet Controller Supports direct connect or transceiver. Cables/transceivers not included. Includes three screws <i>Notes: Need A1UJPRMM4IOM be pre-installed</i>
	AXX10GBTWLHW 924136 735858254038 5032037047142 1	Dual RJ-45 port 10GBASE-T IO module, based on Intel® Ethernet Controller X540 Includes three screws Notes: Need A1UJPRMM4IOM be pre-installed
	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 *Dual port shown on picture <i>Notes: Need A1UJPRMM4IOM be pre-installed</i>
	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. Note, due to PCIe3 x8 bandwidth limitation, both ports can't simultaneously function at full speed. Includes three screws. <i>Notes: Need A1UJPRMM4IOM be pre-installed</i>

AXX4P1GBPWLIOM 917911 735858241083 5032037035835 1	Quad port 1GbE IO Module based on Intel [®] Ethernet Controller I350 <i>Notes: Need A1UJPRMM4IOM be pre-installed</i>
PCle card: 8 ports RMS25KB080 917089 735858244831 5032037039406 1 PCle card: 4 ports RMS25KB040 917090 735858239035 5032037033817 1	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 EPSD boards, requires PCIe x8 slot.
PCle card: 8 ports RMS25PB080 917056 735858238946 5032037033725 1 PCle card: 4 ports RMS25PB040 917078 735858238953	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. PCIe card form factor – compatible with all EPSD boards, requires PCIe x8 slot.

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

Service: On-site Repair, Extended Warranty

Image	Product Code MM MOQ	Description
Antipie and a second second framework and a second	SVCEWUPSY 911293 1	Two year extended warranty for Intel® Server Systems that support single processor
A manuary and a second and a se	SVCEWUPBD 911292 1	Two year extended warranty for Intel® Server Boards that support single processor

EL G	The manufacture of the ¹² for an interest for any former in the series, 10 has a series of the ser	SVCORUPSY 916901	Intel® On-site repair for single processor Intel®
+	Expansion 20 Days more to make long ¹⁰ haven Compared Extended Terrority from the other off-to-party space of the space of the other more more space of the state of the space of the space of the space more space of the space	1	Server Systems.
*			
- k.	Names, store areas and the second state of		

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 <u>http://www.vmware.com/code/intel</u> to access VMware Software, Support and Subscription Services.

VMware vSphere* and vCenter* Server Editions

All VMware vSphere SKUs (except Essentials) are bundled with either 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.

	VMware vSphere 5 Essentials Bundle for 3 hosts (Max 2 processors per host) and 192 GB			
Essentials	vRAM entitlement			
	with 1 year VMware Subscription.			
	VMware vSphere 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192			
Essentials Plus	GB vRAM entitlement			
ESSEIILIAIS FIUS	with 1 year VMware Basic (12x5) Support and Subscription			
	with 1 year VMware Production (24x7) Support and Subscription			
	VMware vSphere 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor)			
Standard				
otandara	with 1 year VMware Basic (12x5) Support and Subscription			
	with 1 year VMware Production (24x7) Support and Subscription			
	VMware vSphere 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor)			
Enterprise				
	with 1 year VMware Basic (12x5) Support and Subscription			
	with 1 year VMware Production (24x7) Support and Subscription			
	VMware vSphere 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per			
Futernaise Dive	processor)			
Enterprise Plus	with 1 year VMware Basic (12x5) Support and Subscription			
	with 1 year VMware Production (24x7) Support and Subscription			
	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			
VMware vCenter*	enable all VMware vSphere features on Standard, Enterprise and Enterprise Plus editions.			
Server Standard				
for vSphere 5	with 1 year VMware Basic (12x5) Support and Subscription			
with 1 year VMware Production (24x7) Support and Se				

VMware vSphere* and VMware vCenter* – Order Codes:

Product Code	UPC	ММ	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