

Intel® Server Board S2600JF Family
Intel® Server System H2000JF Family
Intel® Compute Module HNS2600JF Family
Intel® Server Chassis H2000 Family
Spares/Accessories List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Server Board S2600JF and the appropriate 2U Intel Rack Mount Server Systems



Revision 1.4

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Enterprise Platforms and Services Marketing

Revision History

Feb '11- Rev 0.1 – initial release for Beta

May'11 – Rev 0.2 – update for Silver.

September'11 – Rev 0.9 – Production draft

October'11 – Rev 0.95 – Production Candidate

October'11 – Rev 0.96 – Production Candidate 2

January'12 – Rev 1.0 – Production Candidate 3

May'12 – Rev 1.2 – Production Version

July'12 – Rev 1.3 – Adding note in section 2.4

September'12 – Rev 1.4 – Changing 10GbE IO module product code, add SCS SKUs

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1. System Product Order Codes

1.1 Product Descriptions – Overview

Product based on the Intel® Server Board S2600JF will be offered in variety of options to provide the flexibility and facility for customer.

BIK will be offered as integrated systems at launch, including drive, InfiniBand and power supplies configuration.

Board will be offered as 10-pack at launch.

Chassis will be offered as KDK at launch. It will include power supply, but Compute Module will be excluded.

Compute Module can be ordered separately for both single-pack and 10-pack.

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.

EPSD Romley 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 Romley products.

BIK:

Pcode	FF	HDD	# of HDD		Power supply	Rails	Compute Module	Available Time
H2312JFJR	2U	3.5	12		2 x 1200W AC	Value	4 x HNS2600JF	Launched
H2312JFQJR	2U	3.5	12		2 x 1200W AC	Value	4 x HNS2600JFQ	Launched
H2312JFFJR	2U	3.5	12		2 x 1200W AC	Value	4 x HNS2600JFF	Launched
H2216JFJR	2U	2.5		16	2 x 1200W AC	Value	4 x HNS2600JF	Launched
H2216JFQJR	2U	2.5		16	2 x 1200W AC	Value	4 x HNS2600JFQ	Launched
H2216JFFJR	2U	2.5		16	2 x 1200W AC	Value	4 x HNS2600JFF	Launched
H2312JFKR	2U	3.5	12		2 x 1600W AC	Value	4 x HNS2600JF	Launched
H2312JFQKR	2U	3.5	12		2 x 1600W AC	Value	4 x HNS2600JFQ	Launched
H2312JFFKR	2U	3.5	12		2 x 1600W AC	Value	4 x HNS2600JFF	Launched
H2216JFKR	2U	2.5		16	2 x 1600W AC	Value	4 x HNS2600JF	Launched
H2216JFQKR	2U	2.5		16	2 x 1600W AC	Value	4 x HNS2600JFQ	Launched
H2216JFFKR	2U	2.5		16	2 x 1600W AC	Value	4 x HNS2600JFF	Launched

KDK:

Pcode	FF	HDD	# of HDD		Power supply	Rails	Compute Module	Available Time
H2312XXJR	2U	3.5	12		2x1200W AC	Value	Not included	Launched
H2216XXJR	2U	2.5		16	2x1200W AC	Value	Not included	Launched
H2312XXKR	2U	3.5	12		2x1600W AC	Value	Not included	Launched

H2216XXKR	2U	2.5		16	2x1600W AC	Value	Not included	Launched
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Compute Module:

Pcode	FF	Integrated InfiniBand	rIOM riser / carrier	RMM4 Lite Key	Intel® RAID C600 Upgrade Key	Available Time
HNS2600JF	1U Compute Module	No	Not included	Not included	Not included	Launched
HNS2600JFQ	1U Compute Module	Yes (QDR 40Gb/s)	Not included	Not included	Not included	Launched
HNS2600JFF	1U Compute Module	Yes (FDR 56Gb/s)	Not included	Not included	Not included	Launched

Board:



Pcode	FF	Integrated InfiniBand	rIOM riser / carrier	RMM4 Lite Key	Intel® RAID C600 Upgrade Key	Available Time
BBS2600JF	6.42'' W x 17.7'' L	No	Not included	Not included	Not included	Launched
BBS2600JFQ	6.42'' W x 17.7'' L	Yes (QDR 40Gb/s)	Not included	Not included	Not included	Launched
BBS2600JFF	6.42'' W x 17.7'' L	Yes (FDR 56Gb/s)	Not included	Not included	Not included	Launched



1.3 Available Production Board order codes

Image	Product Code MM UPC EAN MOQ	Description
	<p>BBS2600JF</p> <p>917760</p> <p>735858243315</p> <p>5032037037952</p> <p>10</p>	<p>Production Intel® Server Board S2600JF (OEM 10-pack version)</p> <ul style="list-style-type: none"> - 6.42" W x 17.7" L - 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs - 4x 3Gb/s SATA/SAS ports from SCU, 2x 6Gb/s SATA DOM ports from AHCI - 3 PCIe3 x16 capable slots (not PCIe Sig compatible) - Dual 1GbE - Compatible with Intel® Xeon® processor E5-2600 series.
	<p>BBS2600JFQ</p> <p>917761</p> <p>735858243322</p> <p>5032037037969</p> <p>10</p>	<p>Production Intel® Server Board S2600JFQ (OEM 10-pack version)</p> <ul style="list-style-type: none"> - 6.42" W x 17.7" L - 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs - 4x 3Gb/s SATA/SAS ports from SCU, 2x 6Gb/s SATA DOM ports from AHCI - 3 PCIe3 x16 capable slots (not PCIe Sig compatible) - Dual 1GbE - Single InfiniBand QDR (QSFP port) - Compatible with Intel® Xeon® processor E5-2600 series.
	<p>BBS2600JFF</p> <p>921294</p> <p>735858246231</p> <p>5032037040723</p> <p>10</p>	<p>Production Intel® Server Board S2600JFF (OEM 10-pack version)</p> <ul style="list-style-type: none"> - 6.42" W x 17.7" L - 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs - 4x 3Gb/s SATA/SAS ports from SCU, 2x 6Gb/s SATA DOM ports from AHCI - 3 PCIe3 x16 capable slots (not PCIe Sig compatible) - Dual 1GbE - Single InfiniBand FDR (QSFP port) - Compatible with Intel® Xeon® processor E5-2600 series.



1.4 Available Production System order codes



Image	Product Code MM UPC EAN MOQ	Description
 <p>*Demo only</p>	<p>H2312JFJR 918305 735858243391 5032037038034 1</p>	<p>The Production Intel® Server System H2312JFJR</p> <ul style="list-style-type: none"> - 2U H2312XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2312JFQJR 918306 735858243414 5032037038058 1</p>	<p>The Production Intel® Server System H2312JFQJR</p> <ul style="list-style-type: none"> - 2U H2312XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2312JFFJR 921303 735858246385 5032037040877 1</p>	<p>The Production Intel® Server System H2312JFFJR</p> <ul style="list-style-type: none"> - 2U H2312XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2216JFJR 918307 735858243353 5032037037990 1</p>	<p>The Production Intel® Server System H2216JFJR</p> <ul style="list-style-type: none"> - 2U H2216XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2216JFQJR 918308 735858243377 5032037038010 1</p>	<p>The Production Intel® Server System H2216JFQJR</p> <ul style="list-style-type: none"> - 2U H2216XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) <p><i>There are no required EPSD components to make this system functional</i></p>

 <p>*Demo only</p>	<p>H2216JFFJR 921304 735858246392 5032037040884 1</p>	<p>The Production Intel® Server System H2216JFFJR</p> <ul style="list-style-type: none"> - 2U H2216XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2312JFKR 923012 735858249911 5032037044493 1</p>	<p>The Production Intel® Server System H2312JFKR</p> <ul style="list-style-type: none"> - 2U H2312XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2312JFQKR 923034 TBD TBD 1</p>	<p>The Production Intel® Server System H2312JFQKR</p> <ul style="list-style-type: none"> - 2U H2312XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2312JFFKR 921305 735858249928 50320370444509 1</p>	<p>The Production Intel® Server System H2312JFFKR</p> <ul style="list-style-type: none"> - 2U H2312XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2216JFKR 923035 735858249898 5032037044479 1</p>	<p>The Production Intel® Server System H2216JFKR</p> <ul style="list-style-type: none"> - 2U H2216XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module <p><i>There are no required EPSD components to make this system functional</i></p>


 <p>*Demo only</p>	<p>H2216JFQKR 923036 735858249904 5032037044486 1</p>	<p>The Production Intel® Server System H2216JFQKR</p> <ul style="list-style-type: none"> - 2U H2216XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) <p><i>There are no required EPSD components to make this system functional</i></p>
 <p>*Demo only</p>	<p>H2216JFFKR 921306 735858249881 5032037044462 1</p>	<p>The Production Intel® Server System H2216JFFKR</p> <ul style="list-style-type: none"> - 2U H2216XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) <p><i>There are no required EPSD components to make this system functional</i></p>



1.5 Available Production Chassis order codes

Image	Product Code MM UPC EAN MOQ	Description
 <p>*Demo only</p>	<p>H2312XXJR 919020 735858243285 5032037037921 1</p>	<p>The Production Intel® Server Chassis H2312XXJR</p> <ul style="list-style-type: none"> - 2U H2000 Chassis (front panel FH2000FPANEL included, Power Distribution Board FXXCRPSPDB included) - 2x 1200W Platinum PSU (FXX1200PCRPS) - 12x 3.5" Hot-swap HDDs support (carriers FXX35HSADPB included, backplane FHW12X35HSBP) - 4x Blank Node Filler (FH2000BNF) - Basic rack rail (AXXELVRAIL)
 <p>*Demo only</p>	<p>H2216XXJR 919021 735858243278 5032037037914 1</p>	<p>The Production Intel® Server Chassis H2216XXJR</p> <ul style="list-style-type: none"> - 2U H2000 Chassis (front panel FH2000FPANEL included, Power Distribution Board FXXCRPSPDB included) - 2x 1200W Platinum PSU (FXX1200PCRPS) - 16x 2.5" Hot-swap HDDs support (carriers FXX25HSCAR included, backplane FHW16X25HSBP) - 4x Blank Node Filler (FH2000BNF) - Basic rack rail (AXXELVRAIL)

 <p>*Demo only</p>	<p>H2312XXKR 919022 735858243292 5032037037938 1</p>	<p>The Production Intel® Server Chassis H2312XXKR</p> <ul style="list-style-type: none"> - 2U H2000 Chassis (front panel FH2000FPANEL included, Power Distribution Board FXXCRPSPDB included) - 2x 1600W Platinum PSU (FXX1600PCRPS) - 12x 3.5" Hot-swap HDDs support (carriers FXX35HSADPB included, backplane FHW12X35HSBP) - 4x Blank Node Filler (FH2000BNF) - Basic rack rail (AXXELVRAIL)
 <p>*Demo only</p>	<p>H2216XXKR 919023 735858243308 5032037037945 1</p>	<p>The Production Intel® Server Chassis H2216XXKR</p> <ul style="list-style-type: none"> - 2U H2000 Chassis (front panel FH2000FPANEL included, Power Distribution Board FXXCRPSPDB included) - 2x 1600W Platinum PSU (FXX1600PCRPS) - 16x 2.5" Hot-swap HDDs support (carriers FXX25HSCAR included, backplane FHW16X25HSBP) - 4x Blank Node Filler (FH2000BNF) - Basic rack rail (AXXELVRAIL)



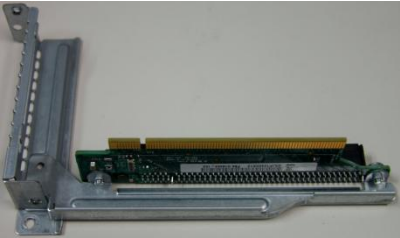

1.6 Available Production Compute Module order codes

Image	Product Code MM UPC EAN MOQ	Description
 <p>*Demo only</p>	<p>HNS2600JF 918336 735858243445 5032037038089 1</p>	<p>The Production Intel® Compute Module HNS2600JF</p> <ul style="list-style-type: none"> - Intel® Server Board S2600JF included - Node Power Board FH2000NPB included - Bridge Board FHWJFWPBGB included - Slot1 riser card FHW1U16RISER included - 3x 4056 dual rotor fans FXX4056DRFAN included - 1U passive heatsinks (one FXXEA91X91HS for front, and one FXXCA91X91HS for rear) included - Airduct included - 1U node tray included

 <p>*Demo only</p>	<p>HNS2600JFQ 918335 735858243438 5032037038072 1</p>	<p>The Production Intel® Compute Module HNS2600JFQ</p> <ul style="list-style-type: none"> - Intel® Server Board S2600JFQ included (InfiniBand QDR) - Node Power Board FH2000NPB included - Bridge Board FHWJFWPBGB included - Slot1 riser card FHW1U16RISER included - 3x 4056 dual rotor fans FXX4056DRFAN included - 1U passive heatsinks (one FXXEA91X91HS for front, and one FXXCA91X91HS for rear) included - Airduct included - 1U node tray included
 <p>*Demo only</p>	<p>HNS2600JFF 921301 735858247931 5032037042819 1</p>	<p>The Production Intel® Compute Module HNS2600JFF</p> <ul style="list-style-type: none"> - Intel® Server Board S2600JFF included (InfiniBand FDR) - Node Power Board FH2000NPB included - Bridge Board FHWJFWPBGB included - Slot1 riser card FHW1U16RISER included - 3x 4056 dual rotor fans FXX4056DRFAN included - 1U passive heatsinks (one FXXEA91X91HS for front, and one FXXCA91X91HS for rear) included - Airduct included - 1U node tray included





2. Spares and Accessories Order Codes




2.1 General spares and accessories

Image	Product Code MM UPC EAN MOQ	Description
 <p>*Demo only</p>	AXXRMM4LITE 911660 00735858219297 5032037014946 1	Activation key for advanced management features
 <p>*Demo only</p>	AXXRMM4IOM 918249 735858243254 5032037037891 1	PCI Express x16 (164 pin) rIOM riser and rIOM carrier board kit for supporting dedicate RMM4 NIC port and containing Intel® I/O module for HNS2600JF and HNS2400LP compute module family NOTE: The AXXRMM4LITE is NOT included. It must be ordered seperately for advanced management features.
 <p>*Demo only</p>	FHW1U16RISER 916729 735858223003 5032037019286 10	1U PCI Express x16 riser card for supporting in-board low-profile PCIe adding card of Slot1 on HNS2600JF, HNS2600WP and HNS2400LP compute module family
 <p>*Demo only</p>	FXX4056DRFAN 918254 735858243469 5032037038102 10	40x56mm Dual Rotor Fan spare

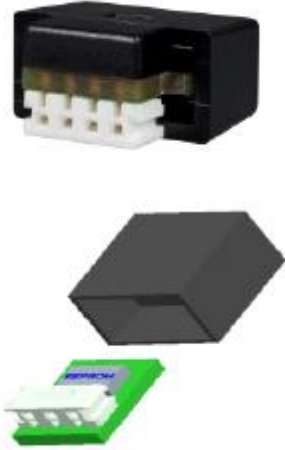
 <p>*Demo only</p>	<p>FXX1200PCRPS 915605 735858225137 5032037035071 1</p>	<p>1200W AC Common Redundant Power Supply FXX1200PCRPS 80Plus Platinum-Efficiency</p>
 <p>*Demo only</p>	<p>FXX1600PCRPS 915606 735858243650 5032037038294 1</p>	<p>1600W AC Common Redundant Power Supply FXX1600PCRPS 80Plus Platinum-Efficiency <i>Notes: Available in Q3'12</i></p>
 <p>*Demo only</p>	<p>BXSTS200P 915972 00735858221795 5032037014472 1</p>	<p>1U Standard Boxed Cu/Al 91.5mm x 91.5mm Heat Sink (Rear Heat Sink)</p>
 <p>*Demo only</p>	<p>FXXCA91X91HS 918250 735858236614 5032037031387 2</p>	<p>1U Standard Cu/Al 91.5mm x 91.5mm Heat Sink (Rear Heat Sink)</p>
 <p>*Demo only</p>	<p>FXXEA91X91HS 918251 735858236669 5032037031431 2</p>	<p>1U Standard Ex-Al 91.5mm x 91.5mm Heat Sink (Front Heat Sink)</p>

 <p>*Demo only</p>	<p>FHW12X35HSBP 920830 735858246729 5032037041195 1</p>	<p>Spare 12 x 3.5" backplane for H2000 Chassis family</p>
 <p>*Demo only</p>	<p>FHW16X25HSBP 920829 735858246736 5032037041195 1</p>	<p>Spare 16 x 2.5" backplane for H2000 Chassis family</p>
 <p>*Demo only</p>	<p>FH2000BNF 920831 735858246880 5032037041881 10</p>	<p>Spare Blank Node Filler for H2000 Chassis family</p>
 <p>*Demo only</p>	<p>FH2000NPB 920832 735858246743 5032037041201 10</p>	<p>Spare Node Power Board for H2000 Chassis family</p>
 <p>*Demo only</p>	<p>FHWJFWPBGB 920833 735858246767 5032037041225 10</p>	<p>Spare Bridge Board for H2000JF and H2000WP System family</p>




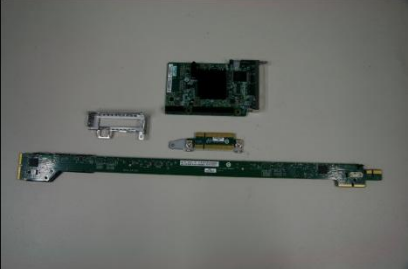

 <p>*Demo only</p>	<p>FXXCRPSPDB 921250 735858246750 5032037041218 10</p>	<p>Spare Power Distribution Board for Common Redundant Power Supply 1200W and 1600W of H2000 Chassis</p>
 <p>*Demo only</p>	<p>FH2000FPANEL 920835 735858246873 5032037041874 1</p>	<p>Spare front control panel kit for H2000 Chassis family</p>
 <p>*Demo only</p>	<p>FH2000JFMKIT 919032 735858243452 5032037038096 1</p>	<p>Chassis Maintenance Kit FH2000JFMKIT (for Intel® Server System H2000JF family) including (2) Node tray of HNS2600JF, (2) Airduct of HNS2600JF, Cable kit and Screw kit</p>
 <p>*Demo only</p>	<p>FXX25HSCAR 918807 735858241182 5032037035910 8</p>	<p>Spare 2.5" HDD hot swap carriers</p>
 <p>*Demo only</p>	<p>FXX35HSADPB 912771 00735858219495 5032037016391 8</p>	<p>Spare 3.5" HDD hot swap carriers</p>


 <p>*Demo only</p>	<p>AXXELVRAIL 920970 00735858244367 5032037038980 1</p>	<p>Value Rail Kit, half extension, extended inner slide member</p>
 <p>*Demo only</p>	<p>FPWRCABLENA 879287 735858181129 5032037015738 1</p>	<p>North American Power Cord Spare</p>
 <p>*Demo only</p>	<p>A2UBEZEL 918086 735858241137 5032037035880 1</p>	<p>2U locking bezel with two branding clip-on inserts</p>

2.2 Dynamic Key spares and accessories

Image	Product Code MM UPC EAN MOQ	Description
 <p>*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 6Gb/s SAS & HW RAID:

Image	Product Code MM UPC EAN MOQ	Description
 <p>*Demo only</p>	AHWJFWP6GBGB 922862 735858250047 5032037044622 1	6Gb/s SAS bridge board and cable accessories kit (not cable-free) for H2000JF and H2000WP family NOTE: 6Gb/s SAS module is NOT included. Customer must to order 6Gb/s SAS module RMS25KB040 or RMS25PB040 separately <i>Available in Q2'12</i>
 <p>*Demo only</p>	RMS25KB040 917090 735858239035 5032037033817 5	SAS Module: 4 Port SAS-2.1 version, Entry-level HW RAID/straight SAS PCIe form factor
 <p>*Demo only</p>	RMS25PB040 917078 735858238953 5032037033732 5	Intel® Integrated RAID Module RMS25PB040, PCIe Slot, LSI2208 ROC, 4P Internal SAS/SATA, LSI MegaRAID-based Firmware, 1GB DDR3, RAID 0,1,10,5,50,6,60 Requires PClex8 slot
 <p>*Demo only</p>	AH2000JF6GKIT 922863 735858250054 5032037044639 1	6Gb/s SAS accessories kit (cable-free) for H2000JF family Notes: 6Gb/s SAS module RMS25LB has been included. <i>Available in Q3'12</i>
 <p>*Demo only</p>	FH20006GBGBR 922998 TBD TBD 1	Spare 6Gb/s SAS bridge board and riser package for AH2000JF6GKIT, AH2000WP6GKIT and AH2000LP6GKIT <i>Available in Q3'12</i>


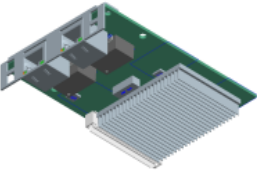
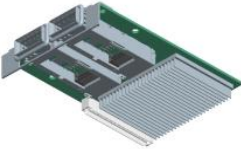

	<p>RMS25LB</p> <p>922997</p> <p>735858250085</p> <p>5032037044660</p> <p>1</p>	<p>Spare 6Gb/s SAS module for AH2000JF6GKIT, AH2000WP6GKIT and AH2000LP6GKIT</p> <p><i>Available in Q3'12</i></p>
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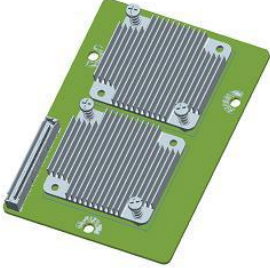
*Demo only

2.4 Expansion modules: IO Module

IMPORTANT NOTICE:

All below I/O modules MUST have **AXXRMM4IOM** (mm# 918249) pre-installed in system.

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
	AXX10GBTWLHW 924136 735858254038 5032037047142 1	Dual RJ-45 port 10GBASE-T IO module, based on Intel® Ethernet Controller X540 Includes three screws
 <p data-bbox="250 1346 448 1371">*Dual ports shown</p>	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
	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.
	AXX4P1GBPWLIO M 917911 735858241083	Quad port 1GbE IO Module based on Intel® Ethernet Controller I350

	<p>5032037035835</p> <p>1</p>	
	<p>AXXQAAIOMOD</p> <p>920561</p> <p>735858244848</p> <p>5032037039413</p> <p>1</p>	<p>Intel Quick Assist Accelerator I/O Module</p>

2.5 Service: On-site Repair, Extended Warranty

Image	Product Code MM MOQ	Description
	SVCORHWSY TBD 1	Intel® Server System H2000 On-Site Repair, Next Business Day
	SVCEWHWSY TBD 1	Intel® Server System H2000 Extended Warranty, Single
	SVCEWHWB TBD 1	Intel® Compute Module HNS2xxx Extended Warranty, Single
	SVCEWDPBD 911294 1	Two year extended warranty for Intel® Server Boards that support two processors.

2.6 Intel® Server Continuity Suite SKUs

Product Code	MM UPC	Description	Minimum Order Quantity
SCSSYSMGR	912851	Intel® Server Continuity Suite System Manager Includes Dashboard, Hardware Management, RAID Management and reporting. Includes 1 year of free maintenance upgrades	1
SCSBACKUP	912852	Intel® Server Continuity Suite Data Protection Manager Includes Basic CDP backup, file level consistency, 24 hour restore points Note: Requires Intel® SCS System Manager	1
SCSADVBACKUP	914444	Intel® Server Continuity Suite Advanced Data Protection Manager Includes advanced CDP backup, file and app consistency, recovery to any point in time, predictive	1

		failure backup Note: Requires Intel® SCS System Manager	
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The Intel® Server Continuity Suite System Manager which is required for all other purchases comes with 1 free year of maintenance.

The Intel® Server Continuity Suite software can be downloaded from the following location. It is free to download and install with a 60 days trial.

http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20736

For the rescue CD (needed when doing a full system restore) go to:

http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20737

Customers will need to purchase the software SKU's above. An electronic key will be automatically sent to customers registered email address(s) in the EPSD registration website within 8 hours. If the customer is not registered in the EPSD registration site, the EPSD service specialist will attempt to contact the customer to send the keys and create the account. Note that customers can supply as many email addresses to have the keys sent to as they would like but these addresses will be used for every order.

Customers will then either forward the registration keys to the reseller or print and mail the keys to the reseller. The reseller will need to login to the following site: <http://prd1warser.cps.intel.com/> with their Intel account. The account must be active but no specific permissions are required to gain access. After logging in to the site, they will enter a baseboard serial # and the registration key. After completing the registration a license key will be immediately returned. The reseller can enter this license key into the software to unlock the features. They can also go back at any point to retrieve this key. A limited number of transfers will be allowed per reseller to handle board replacements.

For more information about Intel® Server Continuity Suite, refer product home page at <http://www.intel.com/content/www/us/en/server-management/intel-server-continuity-suite.html>

2.7 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>.

2.8 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 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.

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	1

			GB vRAM entitlement with 1 year VMware Subscription.	
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	1

			entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	
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