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 1.7

February 2013

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

October'12 – Rev 1.5 – Adding RAID card keys and On-site repair order code

February'13 – Rev 1.6 – Adding new RAID card, removing On-site repair, software products.

February'13 – Rev 1.7 – Replacing wrong picture for FXXEA91X91HS

Table of Contents:

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

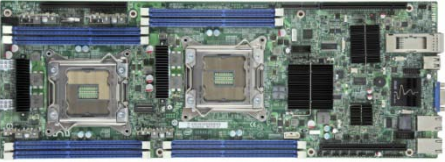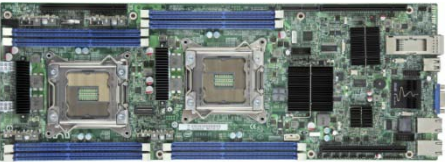| H2216XXKR	2U	2.5		16	2x1600W AC	Value	Not included	Launched

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
	BBS2600JF 917760 735858243315 5032037037952 10	Production Intel® Server Board S2600JF (OEM 10-pack version) - 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.
	BBS2600JFQ 917761 735858243322 5032037037969 10	Production Intel® Server Board S2600JFQ (OEM 10-pack version) - 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.
	BBS2600JFF 921294 735858246231 5032037040723 10	Production Intel® Server Board S2600JFF (OEM 10-pack version) - 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
*Demo only	**H2312JFJR** 918305 735858243391 5032037038034 1	The Production Intel® Server System H2312JFJR - 2U H2312XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module *There are no required EPSD components to make this system functional*
*Demo only	**H2312JFQJR** 918306 735858243414 5032037038058 1	The Production Intel® Server System H2312JFQJR - 2U H2312XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) *There are no required EPSD components to make this system functional*
*Demo only	**H2312JFFJR** 921303 735858246385 5032037040877 1	The Production Intel® Server System H2312JFFJR - 2U H2312XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) *There are no required EPSD components to make this system functional*
*Demo only	**H2216JFJR** 918307 735858243353 5032037037990 1	The Production Intel® Server System H2216JFJR - 2U H2216XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module *There are no required EPSD components to make this system functional*
*Demo only	**H2216JFQJR** 918308 735858243377 5032037038010 1	The Production Intel® Server System H2216JFQJR - 2U H2216XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) *There are no required EPSD components to make this system functional*

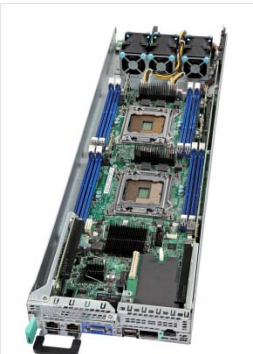|		
*Demo only	**H2216JFFJR** 921304 735858246392 5032037040884 1	The Production Intel® Server System H2216JFFJR - 2U H2216XXJR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) *There are no required EPSD components to make this system functional*
*Demo only	**H2312JFKR** 923012 735858249911 5032037044493 1	The Production Intel® Server System H2312JFKR - 2U H2312XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module *There are no required EPSD components to make this system functional*
*Demo only	**H2312JFQKR** 923034 735858250191 5032037044752 1	The Production Intel® Server System H2312JFQKR - 2U H2312XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) *There are no required EPSD components to make this system functional*
*Demo only	**H2312JFFKR** 921305 735858249928 5032037044509 1	The Production Intel® Server System H2312JFFKR - 2U H2312XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) *There are no required EPSD components to make this system functional*
*Demo only	**H2216JFKR** 923035 735858249898 5032037044479 1	The Production Intel® Server System H2216JFKR - 2U H2216XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JF Compute Module *There are no required EPSD components to make this system functional*

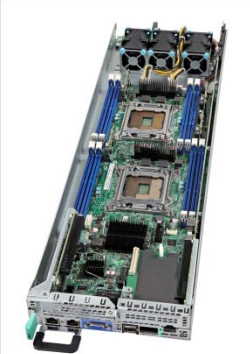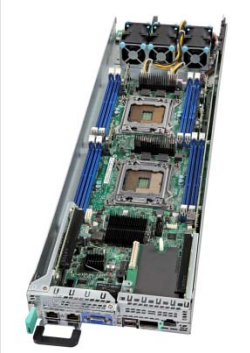| Image	Product Code MM UPC EAN MOQ	Description
*Demo only	**H2216JFQKR** 923036 735858249904 50032037044486 1	The Production Intel® Server System H2216JFQKR - 2U H2216XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFQ Compute Module (InfiniBand QDR) *There are no required EPSD components to make this system functional*
*Demo only	**H2216JFFKR** 921306 735858249881 50032037044462 1	The Production Intel® Server System H2216JFFKR - 2U H2216XXKR Chassis (Blank Node Filler excluded) - 4x HNS2600JFF Compute Module (InfiniBand FDR) *There are no required EPSD components to make this system functional*

1.5   Available Production Chassis order codes

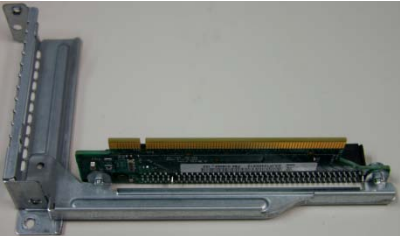| Image	Product Code MM UPC EAN MOQ	Description
*Demo only	**H2312XXJR** 919020 735858243285 50032037037921 1	The Production Intel® Server Chassis H2312XXJR - 2U H2000 Chassis (front panel FH2000FPANEL included, Power Distribution Board FXXCRPSPDB included) - 2x 1200W Platinum PSU (FXX1200PCRPS) - 12x 3.5'' Hot-swap HDDs support (carriers FXX35HSADPB included, backplane FHW12X35HSBP) - 4x Blank Node Filler (FH2000BNF) - Basic rack rail (AXXELVRAIL)
*Demo only	**H2216XXJR** 919021 735858243278 50032037037914 1	The Production Intel® Server Chassis H2216XXJR - 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)

Image	Product Code	Description
 *Demo only	**H2312XXKR** 919022 735858243292 5032037037938 1	The Production Intel® Server Chassis H2312XXKR - 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)
 *Demo only	**H2216XXKR** 919023 735858243308 5032037037945 1	The Production Intel® Server Chassis H2216XXKR - 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
 *Demo only	**HNS2600JF** 918336 735858243445 5032037038089 1	The Production Intel® Compute Module HNS2600JF - 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

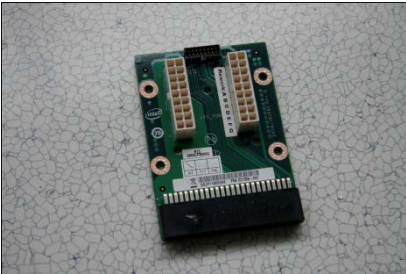|		
 *Demo only	**HNS2600JFQ** 918335 735858243438 5032037038072 1	The Production Intel® Compute Module HNS2600JFQ - Intel® Server Board S2600JFQ included (InfiniBand QDR) - Node Power Board FH2000NPB included - Bridge Board FHWJFWPBGB included - Slot1 riser card FHW1U16RISER included - 3x 4056 dual rotor fans FXX4056DRFAN included - 1U passive heatsinks (one FXXEA91X91HS for front, and one FXXCA91X91HS for rear) included - Airduct included - 1U node tray included
 *Demo only	**HNS2600JFF** 921301 735858247931 5032037042819 1	The Production Intel® Compute Module HNS2600JFF - 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
*Demo only	**AXXRMM4LITE** 911660 00735858219297 5032037014946 1	Activation key for advanced management features
*Demo only	**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.
*Demo only	**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
*Demo only	**FXX4056DRFAN** 918254 735858243469 5032037038102 10	40x56mm Dual Rotor Fan spare

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

*Demo only	**FHW12X35HSBP** 920830 735858246729 5032037041195 1	Spare 12 x 3.5'' backplane for H2000 Chassis family
*Demo only	**FHW16X25HSBP** 920829 735858246736 5032037041195 1	Spare 16 x 2.5'' backplane for H2000 Chassis family
*Demo only	**FH2000BNF** 920831 735858246880 5032037041881 10	Spare Blank Node Filler for H2000 Chassis family
*Demo only	**FH2000NPB** 920832 735858246743 5032037041201 10	Spare Node Power Board for H2000 Chassis family
*Demo only	**FHWJFWPBGB** 920833 735858246767 5032037041225 10	Spare Bridge Board for H2000JF and H2000WP System family
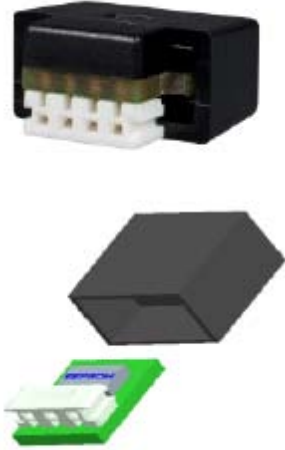
*Demo only	**FXXCRPSPDB** 921250 735858246750 5032037041218 10	Spare Power Distribution Board for Common Redundant Power Supply 1200W and 1600W of H2000 Chassis
*Demo only	**FH2000FPANEL** 920835 735858246873 5032037041874 1	Spare front control panel kit for H2000 Chassis family
*Demo only	**FH2000JFMKIT** 919032 735858243452 5032037038096 1	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
*Demo only	**FXX25HSCAR** 918807 735858241182 5032037035910 8	Spare 2.5" HDD hot swap carriers
*Demo only	**FXX35HSADPB** 912771 00735858219495 5032037016391 8	Spare 3.5" HDD hot swap carriers
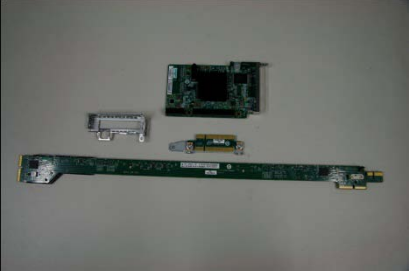
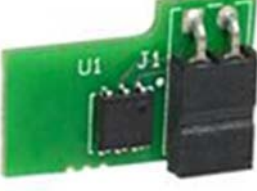|		
*Demo only	**AXXELVRAIL** 920970 00735858244367 50320370 38980 1	Value Rail Kit, half extension, extended inner slide member
*Demo only	**FPWRCABLENA** 879287 735858181129 5032037015738 1	North American Power Cord Spare
*Demo only	**A2UBEZEL** 918086 735858241137 5032037035880 1	2U locking bezel with two branding clip-on inserts

2.2 Dynamic Key spares and accessories

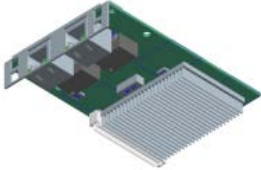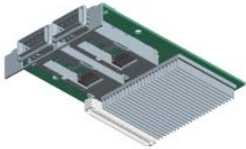| Image	Product Code MM UPC EAN MOQ	Description
	When no key installed:	4 SATA channels active with SW RAID 'basic' which includes RSTe SW RAID 0/1/10/5 + LSI SW RAID 0/1/10
	RKSATA4R5 916346 735858238861 50320370336405	Intel® RAID C600 Upgrade Key RKSATA4R5 enables LSI SATA SW RAID 5, Black
	RKSAS4 916349 735858238892 50320370336715	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
*Demo only	**RKSAS4R5** 916350 735858238908 50320370336885	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:

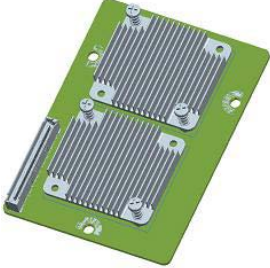| Image	Product Code MM UPC EAN MOQ	Description
*Demo only	**AHWJFWP6GBGB** 922862 735858250047 5032037044622 1	6Gb/s SAS bridge board and cable accessories kit (not cable-free) for H2000JF and H2000WP family **NOTE**: 6Gb/s SAS module is NOT included. Customer must to order 6Gb/s SAS module RMS25KB040 or RMS25PB040 separately
*Demo only	**RMS25KB040** 917090 735858239035 5032037033817 5	SAS Module: 4 Port SAS-2.1 version, Entry-level HW RAID/straight SAS PCIe form factor
*Demo only	**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 PCIex8 slot
*Demo only	**RS25FB044** 921700 735858247665 5032037042543 5	Intel® RAID Controller RS2FB044 is a SAS2 6Gb/s PCIe Gen3 x8, 4i & 4e Port SAS Controller with entry-level HW RAID 0/1/1E/10E and JBOD mode in a low profile, half-length MD2 compliant form factor.
*Demo only	**AH2000JF6GKIT** 922863 735858250054 5032037044639 1	6Gb/s SAS accessories kit (cable-free) for H2000JF family **Notes**: 6Gb/s SAS module RMS25LB has been included, with special advisory in TA 1025-1.

 *Demo only	**FH20006GBGBR** 922998 735858262477 5032037051682 1	Spare 6Gb/s SAS bridge board and riser package for AH2000JF6GKIT, AH2000WP6GKIT and AH2000LP6GKIT
 *Demo only	**RMS25LB** 922997 735858250085 5032037044660 1	Spare 6Gb/s SAS module for AH2000JF6GKIT, AH2000WP6GKIT and AH2000LP6GKIT
 *Demo only	**AXXRPFKSSD2** 915316 735858221467 5032037051699 5	Upgrade Key to enable SSD Cache with Fastpath I/O for Intel's RAID RS25 family of ROC products.
 *Demo only	**AXXRPFKDE2** 915317 735858221474 5032037051705 5	Upgrade Key to enable Drive Encryption Management for Intel's RAID RS25 family of ROC products
 *Demo only	**AXXRPFKSNSH2** 915318 735858221481 5032037051712 5	Upgrade Key to enable Rapid Recovery Snapshot for Intel's RAID RS25 family of ROC products.

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
 *Dual ports 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 *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.
	AXX4P1GBPWLIOM	Quad port 1GbE IO Module based on Intel® Ethernet Controller I350

	917911 735858241083 5032037035835 1	
	AXXQAAIOMOD 920561 735858244848 5032037039413 1	Intel Quick Assist Accelerator I/O Module

2.5 Service: Extended Warranty

Image	Product Code MM MOQ	Description
	SVCEWHWSY 923113 1	Intel® Server System H2000 Extended Warranty, Single
	SVCEWHWB 914905 1	Intel® Compute Module HNS2xxx Extended Warranty, Single
	SVCEWDPBD 911294 1	Two year extended warranty for Intel® Server Boards that support two processors.