Intel® Server Board S2600WP Family
Intel® Server System H2000WP Family
Intel® Compute Module HNS2600WP 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 S2600WP and the appropriate 2U Intel® Rack Mount Server Systems.

Revision 1.5

December 2012

Enterprise Platforms and Services Marketing

Revision History

- October 2011 – Rev 0.90: Production Candidate

- October 2011 – Rev 0.96: Production Candidate 2

- February 2012 – Rev 1.0: Production Candidate 3

- May 2012 – Rev 1.2: Production Version

- July 2012 – Rev 1.3: Adding note in section 2.4.

- October 2012 – Rev 1.4: Adding AXX10GBTWLHW and Intel® Server Continuity Suite SKUs.

- December 2012 – Rev 1.5: Removing End of Life "on site repair" option, End of Life Symantec* options, End of Life VMware* options and End of Life "Intel® Server Continuity Suite" options.

Disclaimer

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1.1   Product Description – Overview

Product based on the Intel® Server Board S2600WP will be offered in a variety of options to provide flexibility and facility for the customer.

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

- Board will be offered as a 10-pack at launch.

- Chassis will be offered as KDK (Knock Down Kit) 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 in the below chart. Refer to the details below in this document for MM numbers, configuration details, and product order codes.

EPSD Romley Chassis and Systems shipped to the US and 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.

System:

Pcode	Form Factor	HDD	# of HDD	Power supply	Rails	Compute Module
H2312WPJR	2U	3.5	12	2 x 1200W AC	Value	4 x HNS2600WP
H2312WPQJR	2U	3.5	12	2 x 1200W AC	Value	4 x HNS2600WPQ
H2312WPFJR	2U	3.5	12	2 x 1200W AC	Value	4 x HNS2600WPF
H2216WPJR	2U	2.5	16	2 x 1200W AC	Value	4 x HNS2600WP
H2216WPQJR	2U	2.5	16	2 x 1200W AC	Value	4 x HNS2600WPQ
H2216WPFJR	2U	2.5	16	2 x 1200W AC	Value	4 x HNS2600WPF
H2312WPKR	2U	3.5	12	2 x 1600W AC	Value	4 x HNS2600WP
H2312WPQKR	2U	3.5	12	2 x 1600W AC	Value	4 x HNS2600WPQ
H2312WPFKR	2U	3.5	12	2 x 1600W AC	Value	4 x HNS2600WPF
H2216WPKR	2U	2.5	16	2 x 1600W AC	Value	4 x HNS2600WP
H2216WPQKR	2U	2.5	16	2 x 1600W AC	Value	4 x HNS2600WPQ
H2216WPFKR	2U	2.5	16	2 x 1600W AC	Value	4 x HNS2600WPF

Knock Down Kit:

Pcode	Form Factor	HDD	# of HDD	Power supply	Rails	Compute Module
H2312XXJR	2U	3.5	12	2x1200W AC	Value	Not included
H2216XXJR	2U	2.5	16	2x1200W AC	Value	Not included
H2312XXKR	2U	3.5	12	2x1600W AC	Value	Not included
H2216XXKR	2U	2.5	16	2x1600W AC	Value	Not included

Compute Module:

Pcode	Form Factor	Integrated InfiniBand*	rIOM riser/ carrier	RMM4 Lite Key	Intel® RAID C600 Upgrade Key
HNS2600WP	1U Compute Module	No	Not included	Not included	Not included
HNS2600WPQ	1U Compute Module	Yes (QDR 40Gb/s)	Not included	Not included	Not included
HNS2600WPF	1U Compute Module	Yes (FDR 56Gb/s)	Not included	Not included	Not included

Board:

Pcode	Form Factor	Integrated InfiniBand*	rIOM riser/ carrier	RMM4 Lite Key	Intel® RAID C600 Upgrade Key
BBS2600WP	6.8" W x 18.9" L	No	Not included	Not included	Not included
BBS2600WPQ	6.8" W x 18.9" L	Yes (QDR 40Gb/s)	Not included	Not included	Not included
BBS2600WPF	6.8" W x 18.9" L	Yes (FDR 56Gb/s)	Not included	Not included	Not included

1.3   Available Production Board order codes

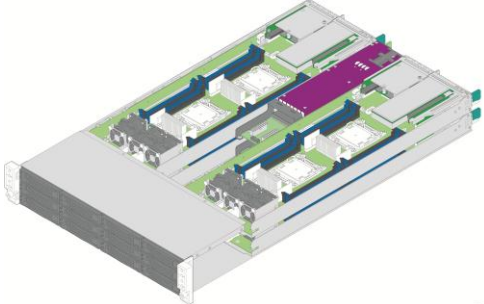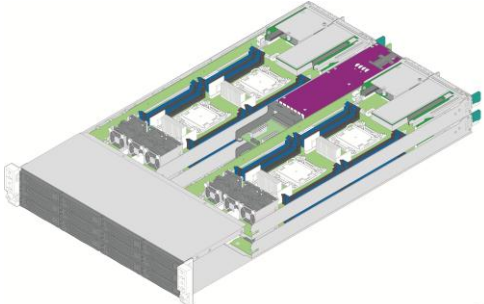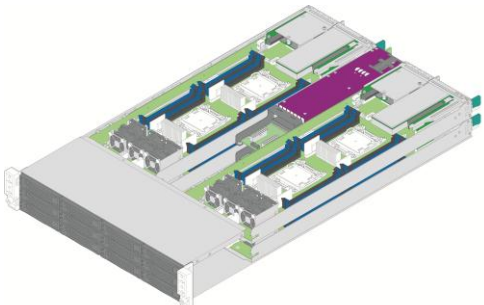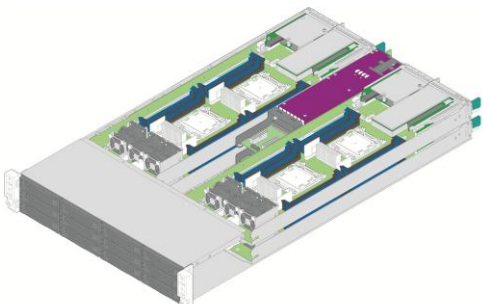| Image	Product Code MM UPC EAN MOQ	Description
	BBS2600WP 919026 735858243506 5032037038140 10	Production Intel® Server Board S2600WP (OEM 10-pack version) - 6.8'' W x 18.9'' L. - 16x DIMMs support DDR3/DDR3L LR/U/R-DIMMs. - 4x 3Gb/s SATA/SAS ports from SCU, 2x 6Gb/s SATA DOM ports from AHCI. - 3 PCIe3 x16 capable slots and 1 PCIe3 x24 capable slot (not PCIe Sig compatible). - Dual 1GbE. - Compatible with Intel® Xeon® processor E5-2600 series.
 *Depop board shown	BBS2600WPQ 919027 735858243513 5032037038157 10	Production Intel® Server Board S2600WPQ (OEM 10-pack version) - 6.8'' W x 18.9'' L. - 16x DIMMs support DDR3/DDR3L LR/U/R-DIMMs. - 4x 3Gb/s SATA/SAS ports from SCU, 2x 6Gb/s SATA DOM ports from AHCI. - 4 PCIe3 x16 capable slots (not PCIe Sig compatible). - Dual 1GbE. - Single InfiniBand* QDR (QSFP port). - Compatible with Intel® Xeon® processor E5-2600 series.
 *Depop board shown	BBS2600WPF 921313 735858246293 5032037040785 10	Production Intel® Server Board S2600WPF (OEM 10-pack version) - 6.8'' W x 18.9'' L. - 16x DIMMs support DDR3/DDR3L LR/U/R-DIMMs. - 4x 3Gb/s SATA/SAS ports from SCU, 2x 6Gb/s SATA DOM ports from AHCI. - 4 PCIe3 x16 capable slots (not PCIe Sig compatible). - Dual 1GbE. - Single InfiniBand* FDR (QSFP port). - Compatible with Intel® Xeon® processor E5-2600 series.

1.5 Available Production System order codes

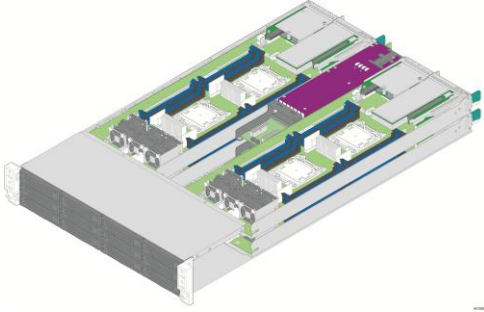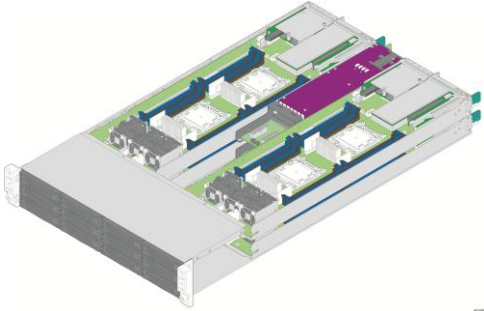| Image	Product Code MM UPC EAN MOQ	Description
*Demo only	H2312WPJR 919016 735858243582 5032037038225 1	The Production Intel® Server System H2312WPJR − 2U H2312XXJR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WP Compute Module. **Note:** There are no additional components required to make this system functional.
*Demo Only	H2312WPQJR 919017 735858243605 5032037038249 1	The Production Intel® Server System H2312WPQJR − 2U H2312XXJR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WPQ Compute Module (InfiniBand* QDR). **Note:** There are no additional components required to make this system functional.
*Demo Only	H2312WPFJR 921315 735858246408 5032037040891 1	The Production Intel® Server System H2312WPFJR − 2U H2312XXJR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WPF Compute Module (InfiniBand* FDR). **Note:** There are no additional components required to make this system functional.
*Demo Only	H2216WPJR 919018 735858243544 5032037038188 1	The Production Intel® Server System H2216WPJR − 2U H2216XXJR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WP Compute Module. **Note:** There are no additional components required to make this system functional.

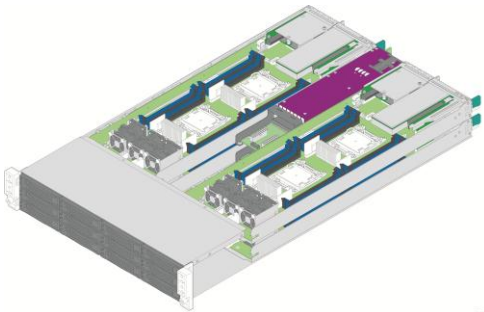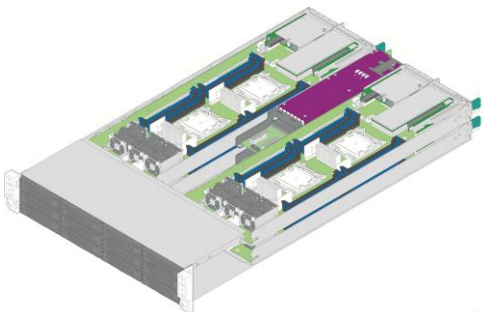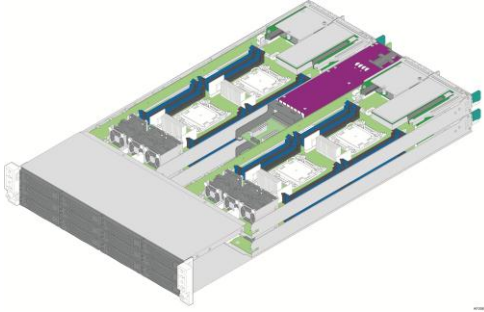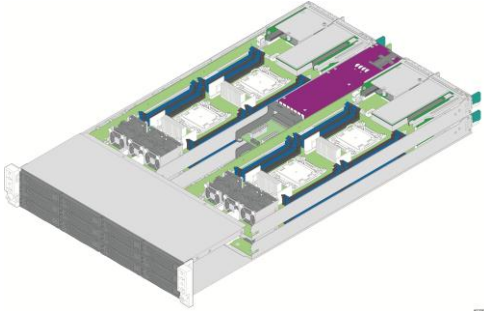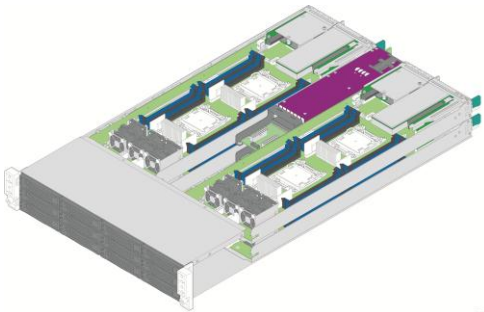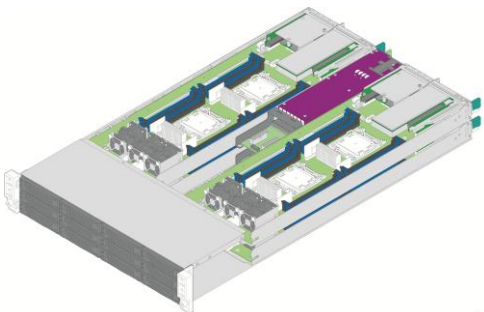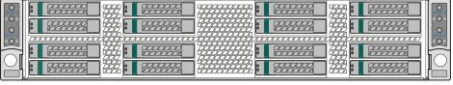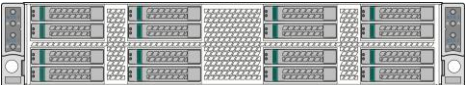| Image	Product Code MM UPC EAN MOQ	Description
 *Demo Only	H2216WPQJR 919019 735858243568 5032037038201 1	The Production Intel® Server System H2216WPQJR − 2U H2216XXJR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WPQ Compute Module (InfiniBand* QDR). **Note:** There are no additional components required to make this system functional.
 *Demo Only	H2216WPFJR 921316 735858246415 5032037040907 1	The Production Intel® Server System H2216WPFJR − 2U H2216XXJR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WPF Compute Module (InfiniBand* FDR). **Note:** There are no additional components required to make this system functional.
 *Demo Only	H2312WPKR 923037 735858249973 5032037044554 1	The Production Intel® Server System H2312WPKR − 2U H2312XXKR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WP Compute Module. **Note:** There are no additional components required to make this system functional.
 *Demo Only	H2312WPQKR 923038 735858249980 5032037044561 1	The Production Intel® Server System H2312WPQKR − 2U H2312XXKR Chassis (Blank Node Filler FH2000BNF excluded). − 4x HNS2600WPQ Compute Module (InfiniBand* QDR). **Note:** There are no additional components required to make this system functional.

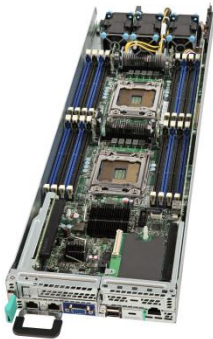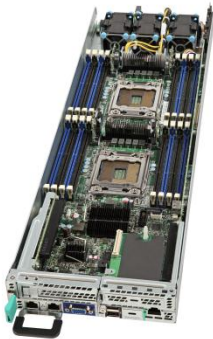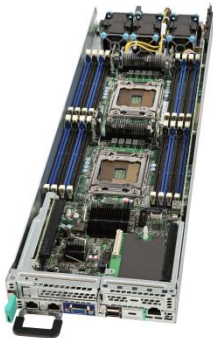| Image	Product Code MM UPC EAN MOQ	Description
*Demo Only	H2312WPFKR 921317 735858250009 5032037044585 1	The Production Intel® Server System H2312WPFKR – 2U H2312XXKR Chassis (Blank Node Filler FH2000BNF excluded). – 4x HNS2600WPF Compute Module (InfiniBand* FDR). **Note:** There are no additional components required to make this system functional.
*Demo Only	H2216WPKR 923040 735858249959 5032037044530 1	The Production Intel® Server System H2216WPKR – 2U H2216XXKR Chassis (Blank Node Filler FH2000BNF excluded). – 4x HNS2600WP Compute Module. **Note:** There are no additional components required to make this system functional.
*Demo Only	H2216WPQKR 923042 735858249997 5032037044578 1	The Production Intel® Server System H2216WPQKR – 2U H2216XXKR Chassis (Blank Node Filler FH2000BNF excluded). – 4x HNS2600WPQ Compute Module (InfiniBand* QDR). **Note:** There are no additional components required to make this system functional.
*Demo Only	H2216WPFKR 921318 735858249966 5032037044547 1	The Production Intel® Server System H2216WPFKR – 2U H2216XXKR Chassis (Blank Node Filler FH2000BNF excluded). – 4x HNS2600WPF Compute Module (InfiniBand* FDR). **Note:** There are no additional components required to make this system functional.

1.6   Available Production Chassis order codes

Image	Product Code MM UPC EAN MOQ	Description
	H2312XXJR 919020 735858243285 5032037037921 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).
	H2216XXJR 919021 735858243278 5032037037914 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).
	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).
	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).

1.8 Available Production Compute Module order codes

Image	Product Code MM UPC EAN MOQ	Description
*Demo only	HNS2600WP 918378 735858243629 5032037038263 1	The Production Intel® Compute Module HNS2600WP − Intel® Server Board S2600WP 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 FXXEA84X106HS for front, and one FXXCA84X106HS for rear) included − Airduct included. − 1U node tray included.
*Demo only	HNS2600WPQ 918377 735858243636 5032037038270 1	The Production Intel® Compute Module HNS2600WPQ − Intel® Server Board S2600WPQ 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 FXXEA84X106HS for front, and one FXXCA84X106HS for rear) included − Airduct included. − 1U node tray included.
*Demo only	HNS2600WPF 921314 735858247948 5032037042826 1	The Production Intel® Compute Module HNS2600WPF − Intel® Server Board S2600WPF 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 FXXEA84X106HS for front, and one FXXCA84X106HS for rear) included − Airduct included. − 1U node tray included.

1.9   General spares and accessories
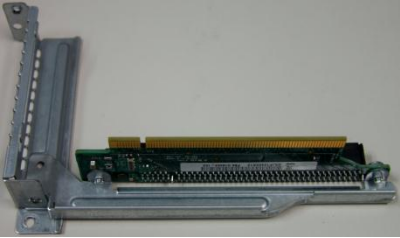
Image	Product Code MM UPC EAN MOQ	Description
	AXXRMM4LITE 911660 00735858219297 5032037014946 1	Activation key for advanced management features.
	AXXRMM4IOMW 918304 735858243247 5032037037884 1	PCI Express* x24 (200 pin) rIOM riser and rIOM carrier board kit for supporting dedicate RMM4 NIC port and containing Intel® I/O module for HNS2600WP compute module family. **Note:** The AXXRMM4LITE is NOT included. It must be ordered separately for advanced management features. Intel® I/O modules MUST have AXXRMM4IOMW pre-installed. The production system and chassis configurations do not include AXXRMM4IOMW.
	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.
	FXX4056DRFAN 918254 735858243469 5032037038102 10	40x56mm Dual Rotor Fan spare

Image	Product Code MM UPC EAN MOQ	Description
	FXX1200PCRPS 915605 735858225137 5032037035071 1	1200W AC Common Redundant Power Supply FXX1200PCRPS 80Plus Platinum-Efficiency.
	FXX1600PCRPS 915606 735858243650 5032037038294 1	1600W AC Common Redundant Power Supply FXX1600PCRPS 80Plus Platinum-Efficiency.
	FXXCA84X106HS 918318 735858236676 5032037031448 2	1U Standard Cu/Al 84mm x 106mm Heatsink (Rear Heatsink).
	FXXEA84X106HS 918321 735858236683 5032037031455 2	1U Standard Ex-Al 84mm x 106mm Heatsink (Front Heatsink).
	FHW12X35HSBP 920830 735858246729 5032037041188 1	Spare 12 x 3.5'' backplane for H2000 chassis family.

Image	Product Code MM UPC EAN MOQ	Description
	FHW16X25HSBP 920829 735858246736 5032037041195 1	Spare 16 x 2.5'' backplane for H2000 chassis family.
	FH2000BNF 920831 735858246880 5032037041881 10	Spare Blank Node Filler for H2000 chassis family.
	FH2000NPB 920832 735858246743 5032037041201 10	Spare Node Power Board for H2000 Chassis family
	FHWJFWPBGB 920833 735858246767 5032037041225 10	Spare Bridge Board for H2000JF and H2000WP system family.
	FXXCRPSPDB 921250 735858246750 5032037041218 10	Spare Power Distribution Board for Common Redundant Power Supply 1200W and 1600W of H2000 chassis.
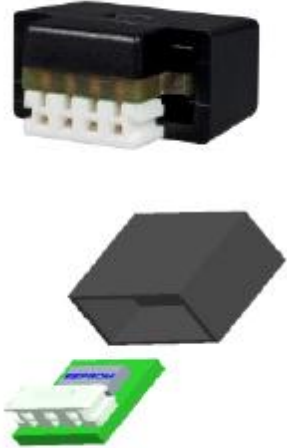
Image	Product Code MM UPC EAN MOQ	Description
	FH2000FPANEL 920835 735858246873 5032037041874 1	Spare front control panel kit for H2000 chassis family.
	FH2000WPMKIT 919033 735858243643 5032037038287 1	Chassis Maintenance Kit FH2000WPMKIT (for Intel® Server System H2000WP family) including (2) Node tray of HNS2600WP, (2) Airduct of HNS2600WP, Cable kit, and Screw kit.
	FXX25HSCAR 918807 735858241182 5032037035910 8	Spare 2.5" HDD hot swap carriers
	FXX35HSADPB 912771 00735858219495 5032037016391 8	Spare 3.5" HDD hot swap carriers
	AXXELVRAIL 920970 00735858244367 5032037038980 1	Value Rail Kit, half extension, extended inner slide member.

Image	Product Code MM UPC EAN MOQ	Description
	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.

1.10 Dynamic Key spares and accessories

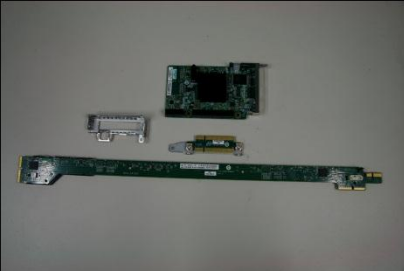| Image	Product Code MM UPC EAN MOQ	Description
	RKSATA4R5 916346 735858238861 5032037033640 5	Intel® RAID C600 Upgrade Key RKSATA4R5, Black.
	RKSAS4 916349 735858238892 5032037033671 5	Intel® RAID C600 Upgrade Key RKSAS4, Green.
	RKSAS4R5 916350 735858238908 5032037033688 5	Intel® RAID C600 Upgrade Key RKSAS4R5, Yellow.

1.12 6Gb/s SAS & HW RAID:

Image	Product Code MM UPC EAN MOQ	Description
	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.
	RMS25KB040 917090 735858239035 5032037033817 5	SAS Module: 4 Port SAS-2.1 version, Entry-level HW RAID/straight SAS. PCIe form factor
	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.
	AH2000WP6GKIT 922864 735858250061 5032037044646 1	6Gb/s SAS accessories kit (cable-free) for H2000WP family. **Note**: 6Gb/s SAS module RMS25LB has been included.
	FH20006GBGBR 922998 735858250214 5032037044776 1	Spare 6Gb/s SAS bridge board and riser package for AH2000JF6GKIT, AH2000WP6GKIT, and AH2000LP6GKIT.

Image	Product Code MM UPC EAN MOQ	Description
	RMS25LB 922997 735858250085 5032037044660 1	Spare 6Gb/s SAS module for AH2000JF6GKIT, AH2000WP6GKIT and AH2000LP6GKIT. It MUST have AXXRMM4IOMW pre-installed. The default production system and chassis configurations do not include AXXRMM4IOMW.

1.13 Expansion modules: IO Module

IMPORTANT NOTICE:

The following I/O modules must have **AXXRMM4IOMW** (mm# 918304) pre-installed in the system:
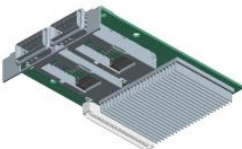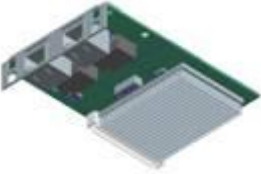
Image	Product Code MM UPC EAN MOQ	Description
	AXX10GBNIAIOM 917905 735858241090 5032037035842 1	Dual SFP+ port 10GbE IO module based on Intel® 82599 10 Gigabit Ethernet Controller. Supports direct connect or transceiver. Cables/transceivers not included. Includes three screws. It must have AXXRMM4IOMW pre-installed. The default production system and chassis configurations do not include AXXRMM4IOMW.
 *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. It must have AXXRMM4IOMW pre-installed. The default production system and chassis configurations do not include AXXRMM4IOMW.
	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 cannot function simultaneously at full speed. Includes three screws. It must have AXXRMM4IOMW pre-installed. The default production system and chassis configurations do not include AXXRMM4IOMW.

Image	Product Code MM UPC EAN MOQ	Description
	AXX4P1GBPWLIOM 9179 11 735858241083 5032037035835 1	Quad port 1GbE IO Module based on Intel® Ethernet Controller I350. It must have AXXRMM4IOMW pre-installed. The default production system and chassis configurations do not include AXXRMM4IOMW.
	AXX10GBTWLHW 9241 36 735858254038 5032037047142 1	Dual RJ-45 port 10GBASE-T IO Module based on Intel® Ethernet Controller X540. Includes three screws. It must have AXXRMM4IOMW pre-installed. The default production system and chassis configurations do not include AXXRMM4IOMW.

1.14 Service: On-site Repair, Extended Warranty

Image	Product Code MM MOQ	Description
	SVCEWHWSY 923113 1	Intel® Server System H2000 two years Extended Warranty, Single
	SVCEWDPBD 911294 1	Intel® Server Board S2600WP family two years Extended Warranty, Single