



**Intel® Server Board S2600TP Product Family**  
**Intel® Compute Module HNS2600TP Product Family**  
**Intel® Server Chassis H2000G Product Family**  
**Spares/Accessories List and Configuration Guide**

**A reference guide to assist with ordering parts and accessories available to configure an Intel server system based on the Intel® Server Board S2600TP Product Family.**

Revision 2.1  
January 2016

Intel® Server Boards and Systems



## Document Revision History

Date-Published	Revision	Revision-Change-Description
Nov. '13	Rev. 0.6	Initial release for Alpha
Dec. '13	Rev. 0.62	Updated the content
Jan. '14	Rev. 0.66	Updated product code for accessory and spare parts
Apr. '14	Rev. 0.7	Updated description and add some pictures
June '14	Rev. 0.73	Updated some MOQ
July '14	Rev. 0.8	Updated UPC, EAN
Nov. '14	Rev. 1.0	Production Candidate
Dec. '14	Rev. 1.1	Updated I/O module part
Mar. '15	Rev. 1.2	Updated UPC, EAN
May'15	Rev. 1.3	<ul style="list-style-type: none"> <li>• Added 40G IOM support</li> <li>• Update 12G RAID adapters</li> </ul>
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Aug'15	Rev. 1.5	Added 24 x 2.5" drive chassis, compute module and spares
Sep'15	Rev. 1.51	Fixed some mistakes
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Dec'15	Rev. 2.0	<ul style="list-style-type: none"> <li>• Applied to the new format.</li> <li>• Withdrew H2224XXLR2 SKU</li> <li>• Removed I/O Module AXX1P40FRTIOM and AXX2P40FRTIOM</li> </ul>
Jan'16	Rev. 2.1	<ul style="list-style-type: none"> <li>• Update product code and the other order infomation</li> <li>• Update processor product family supported</li> </ul>

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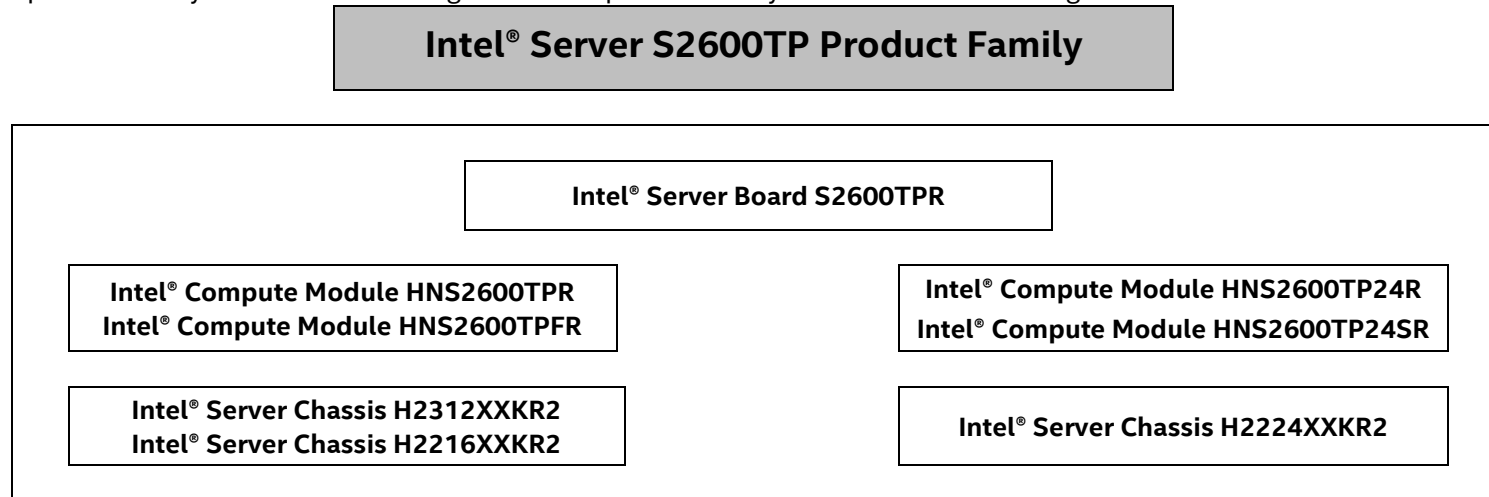
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# 1. Intel® Server Family Overview

This document is provided to assist Intel customers with identifying the right Intel® server system and available accessories, enabling them to create a unique server platform that meets their unique server requirements.

The Intel® S2600TP product family is offered as building block. The product family consists of the following:



Server Building Blocks:

- **Intel® Server Board S2600TPR** – Server Board only (Building block option and spare FRU)
- **Intel® Server Chassis H2000G product family** – 2U Rack Mount Server Chassis
- **Intel® Compute Module HNS2000TP product family** – Compute Module integrated with an Intel® Server Board S2600TPR

The Intel® S2600TP product family supports the following processors and memory:

- Intel® Xeon® processor E5-2600 v3 product family
  - **NOTE: Previous generation Intel® Xeon® processors are not supported.**
- DDR4 ECC RDIMM 1600, 1866, 2133 MT/s
- DDR4 ECC LRDIMM 1600, 1866, 2133 MT/s

**Additional Information and Software**

For additional information about this family of products or any of their supported accessories, refer to the following resources available at <http://www.intel.com/support>.

**Table 1. Product Family Reference Collaterals**

For this information or software	Use this Document or Software
For in-depth technical information about this product family	<ul style="list-style-type: none"> <li>• Intel® Server Board S2600TP Technical Product Specification</li> <li>• Intel® Server System H2000G Product Family Technical Product Specification</li> <li>• Intel® Remote Management Module 4 (Intel® RMM4) and Integrated BMC User Guide</li> <li>• Intel® Remote Management Module 4 Technical Product Specification</li> <li>• Intel® I/O Expansion Modules Hardware Specification</li> <li>• Intel® Server System BIOS Setup Utility Guide</li> <li>• Intel® Server Platform Firmware Specification Update</li> <li>• Product Safety and Regulatory Compliance - Intel® Xeon® Processor E5-2600 v3/v4</li> </ul> <p style="text-align: center;"><a href="http://www.intel.com/p/en_US/support/highlights/server/s2600tp?wapkw=s2600tp+family">http://www.intel.com/p/en_US/support/highlights/server/s2600tp?wapkw=s2600tp+family</a></p>
For system integration instructions and service guidance	<p>Intel® Server System H2000TP product family System Integration and Service Guide</p> <p style="text-align: center;"><a href="http://www.intel.com/p/en_US/support/highlights/server/s2600tp?wapkw=s2600tp+family">http://www.intel.com/p/en_US/support/highlights/server/s2600tp?wapkw=s2600tp+family</a></p>
For server configuration guidance and compatibility	<p>Intel® Server Configurator tool</p> <p style="text-align: center;"><a href="http://serverconfigurator.intel.com">http://serverconfigurator.intel.com</a></p>
For system power budget guidance	<p>Intel® Server Board S2600TP Product Family Power Budget Tool</p> <p style="text-align: center;"><a href="https://downloadcenter.intel.com/product/78562/Intel-Server-Board-S2600TP-Family">https://downloadcenter.intel.com/product/78562/Intel-Server-Board-S2600TP-Family</a></p>
For system firmware updates, onboard device drivers, and software to manage your Intel® Server System.	<p style="text-align: center;"><a href="https://downloadcenter.intel.com/product/78562/Intel-Server-Board-S2600TP-Family">https://downloadcenter.intel.com/product/78562/Intel-Server-Board-S2600TP-Family</a></p>
For a complete list of supported processors, memory, add-in cards, and peripherals:	<p style="text-align: center;"><a href="http://www.intel.com/p/en_US/support/category/server/s2600tp/doc_guide#">http://www.intel.com/p/en_US/support/category/server/s2600tp/doc_guide#</a></p>



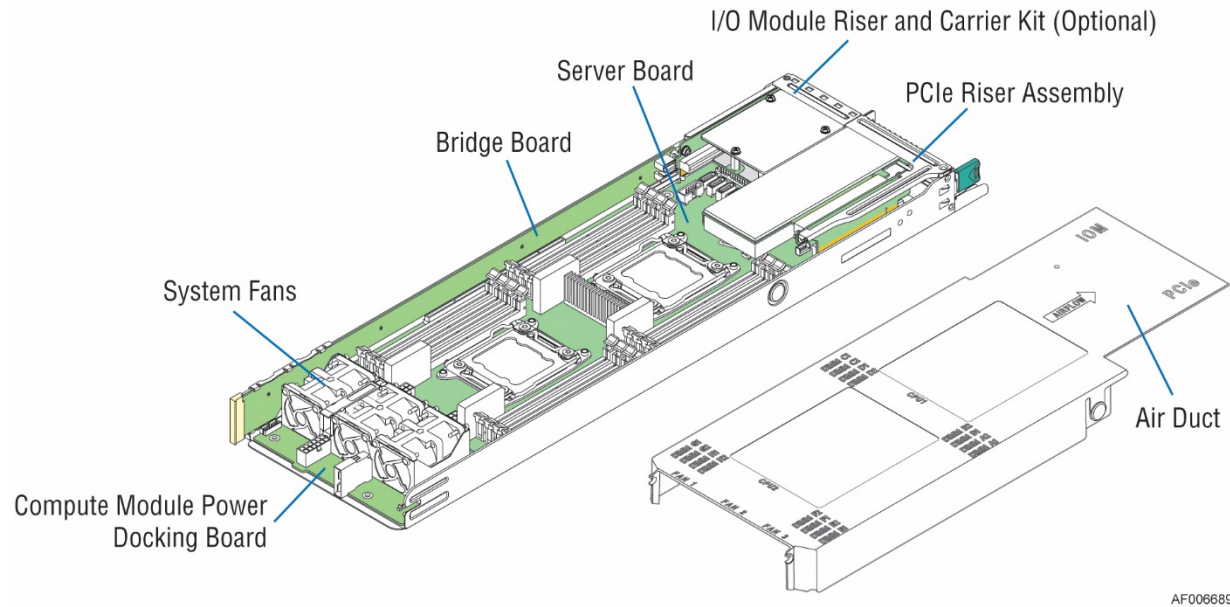
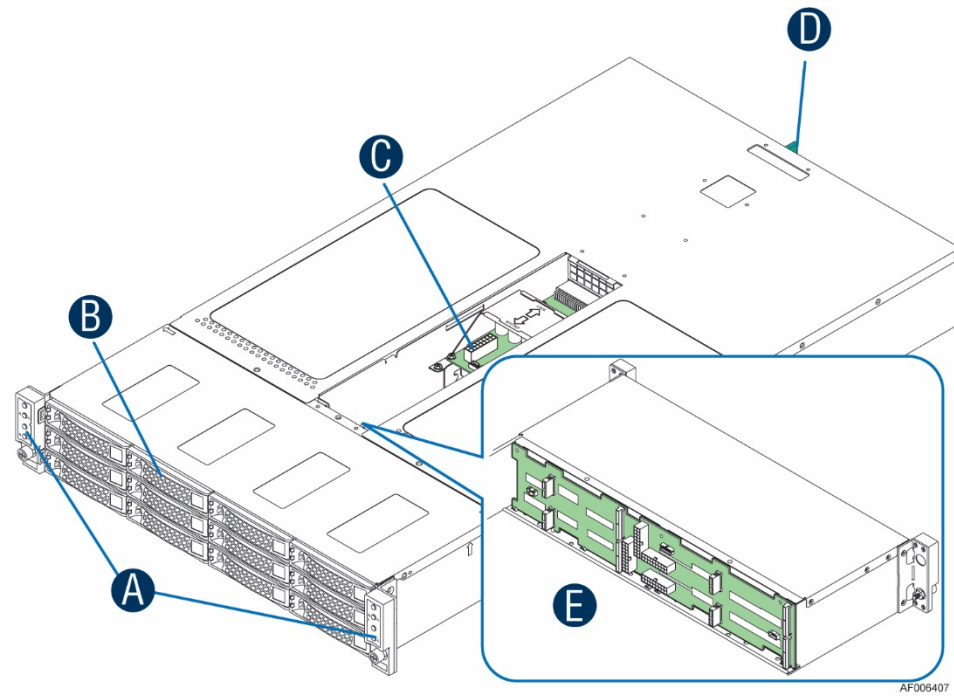


Figure 1. Intel® Compute Module HNS2600TP Feature Set Identification



Label	Description
A	Front control panel
B	Drive bays
C	Power distribution module
D	Power supply modules
E	Hot-swap backplane (attached to the drive cage)

Figure 2. Intel® Server Chassis H2000G(KDK) Feature Set Identification

## 1.1 Product Family Summary Chart

The Intel® S2600TP product family is built around either of two Intel® Server Board options: BBS2600TPR and BBS2600TPFR. The feature set of each server board option is identical except for the integrated InfiniBand\*.

The **S2600TPR** SKU does not offer an integrated InfiniBand\*.

The **S2600TPFR** SKU offers an integrated InfiniBand\*.

The following tables provides an overview of available Intel product codes for building blocks within the Intel® S2600TP product family. Each line item identifies key features supported in the shipping Intel SKU. Additional order code information and full product descriptions for each option are provided in later sections.

Table 2. Server Board Product Family Summary

Intel Product Code	# of CPU sockets	# of DIMM Slots	# of Riser Slots	Onboard RJ45 LAN ports (1 Gb)	# of SATA ports (6 Gb/s)	Integrated InfiniBand*
<b>Server Board only</b>						
BBS2600TPR	2	16	4	2	4	NA
BBS2600TPFR	2	16	4	2	4	Yes (FDR 56Gb/s)

Table 3. Compute Module Product Family Summary

Intel Product Code	Server board	Form Factor	# of Heat Sinks	# of Fans	# of Riser Slots	Intel® I/O Module	Bridge board	Air Duct
HNS2600TPR	Yes (BBS2600TPR)	1U	2	3	2	Opt	6G/s	Yes
HNS2600TPFR	Yes (BBS2600TPFR)	1U	2	3	2	Opt	6G/s	Yes
HNS2600TP24R	Yes (BBS2600TPR)	1U	2	3	2	2 x 10GbE RJ45	12G/s	Yes
HNS2600TP24SR	Yes (BBS2600TPR)	1U	2	3	2	2 x 10GbE SFP+	12G/s	Yes

Table 4. Server Chassis & Server System Product Family Summary

Intel Product Code	Chassis Form Factor	Drive Form Factor	# of Drives (front)	Power Supply Modules	Rails
<b>Chassis Only (KDK)</b>					
<b>H2312XXKR2</b>	2U	3.5"	12	2x1600W AC	Opt
<b>H2216XXKR2</b>	2U	2.5"	16	2x1600W AC	Opt
<b>H2224XXKR2</b>	2U	2.5"	24	2x1600W AC	Opt

Terms used in the table:

**NA** – Not Applicable

**Opt** – Accessory option sold separately

**Yes** – Option included

**KDK** – Knock Down Kit – Intel PCSD term for chassis only product

**BIK** – Server Board in KDK – Intel PCSD term for integrated (L6) system product

**L6** – Integrated system with no processors, memory, or storage devices

## 2. Server Building Block Configuration

Server building blocks are offered to give Intel customers the option to configure and assemble a unique server system from the bare chassis up. Each building block component and optional accessory is purchased separately. At a minimum, building up a functional server system using building blocks will require the following:

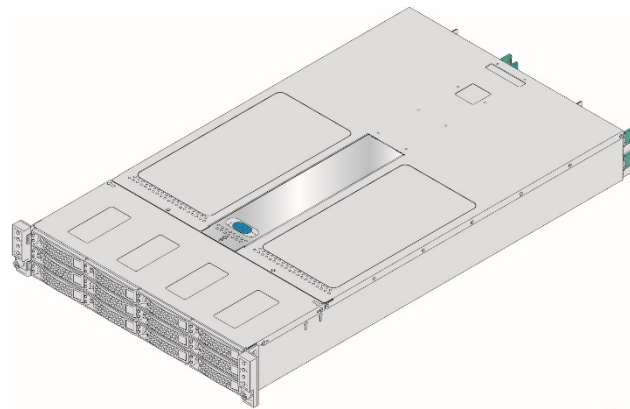
- Intel® Server Chassis H2000G
- Intel® Compute Module HNS2600TPR: see Table 5 for compatibility.
- Power cord(s)

**NOTE:** Chassis shipped to the US & Canada will contain North American power cords.

- Processor
- Memory
- Storage Drives



**Intel® Compute Module HNS2600TPR**



**Intel® Server Chassis H2000G**



**Intel® Server Board S2600TPR**

Optional Intel accessories that can be added include the following: See chapter 3 for available options.

- Riser cards options
- SAS / SAS RAID support – PCIe\* add-in card or module + Appropriate SAS Data cable(s)
- Intel® I/O Module
- Intel® Remote Management Module 4 Lite



The following table is used to identify the building block options required to assemble a server system.

Table 5. Compatibility Matrix

	<b>Intel® Chassis Product Code (iPC)</b>	<b>Intel® Server Board Product Code</b>	<b>Intel® Compute Module Product Code</b>	<b>Intel® Bridge Board Product Code</b>
12/16 drives solutions	H2312XXKR2 H2216XXKR2	BBS2600TPR	HNS2600TPR	FWWKPTPBGB Optional: AHWKPTP12GBGB AHWKPTP12GBGBR5
		BBS2600TPFR	HNS2600TPFR	
24 drives solutions	H2224XXKR2	BBS2600TPR	HNS2600TP24R HNS2600TP24SR	FWWKPTPBGB24



## 2.1 Intel® Server Board S2600TP Product Family SKUs

Table 6. Intel® Server Board S2600TP Product Family SKUs



Intel Product Code (iPC)	Order Information	Product Description	Product Type
<p>iPC – <b>BBS2600TPR</b></p> 	<p>MM# - 943944                      UPC - 00735858308922                      EAN - 5032037081689                      MOQ - 10</p> <p>Packaged Gross Weight  <b>20.7 Kgs, 45.6 Lbs</b></p> <p>Un-packaged Net Weight  <b>15.2 Kgs, 33.5 Lbs</b></p>	<p><b><u>Intel® Server Board BBS2600TPR</u></b></p> <ul style="list-style-type: none"> <li>6.8"W x 18.9"L</li> <li>Support for dual Intel® Xeon E5-2600 v3/v4 processor family</li> <li>16 DDR4 DIMM Slots</li> <li>4 x 6Gb/s SATA ports from secondary AHCI controller and 1 x SATA DOM port</li> <li>2 Integrated 1Gb ports (Intel® Ethernet Controller I350)</li> <li>2 PCIe* 3.0 x24 capable slots and 2 PCIe* 3.0 x16 capable slot (not PCI-SIG* compatible)</li> <li>Integrated Baseboard Management controller with IPMI 2.0 support</li> <li>Optional advanced management features activated by AXXRMM4LITE key</li> <li>Dedicated 1Gb management port onboard</li> <li>Support for Intel® I/O expansion module option</li> <li>Support for Intel® SAS module option</li> </ul> <p><b>Box includes:</b> one server board  <b>NOTE:</b> All necessary mounting hardware, cabling, and shielding will ship with the Intel chassis and optional accessory kits.</p>	<p><b>Server Board only</b></p> <ul style="list-style-type: none"> <li>Building block option</li> <li>Spare FRU</li> </ul>
<p>iPC – <b>BBS2600TPFR</b></p> 	<p>MM# - 943947                      UPC - 00735858308939                      EAN - 5032037081696                      MOQ - 10</p> <p>Packaged Gross Weight  <b>20.7 Kgs, 45.6 Lbs</b></p> <p>Un-packaged Net Weight  <b>15.9 Kgs, 35 Lbs</b></p>	<p><b><u>Intel® Server Board BBS2600TPFR</u></b></p> <ul style="list-style-type: none"> <li>6.8"W x 18.9"L</li> <li>Support for dual Intel® Xeon E5-2600 v3/v4 processor family</li> <li>16 DDR4 DIMM Slots</li> <li>4 x 6Gb/s SATA ports from secondary AHCI controller and 1 x SATA DOM port</li> <li>2 Integrated 1Gb ports (Intel® Ethernet Controller X-540)</li> <li>2 PCIe* 3.0 x24 capable slots and 2 PCIe* 3.0 x16 capable slot (not PCI-SIG* compatible)</li> <li>Integrated Baseboard Management controller with IPMI 2.0 support</li> <li>Optional advanced management features activated by AXXRMM4LITE key</li> <li>Dedicated 1Gb management port</li> <li>Support for Intel® I/O expansion module option</li> <li>Support for Intel® SAS module option</li> <li><b>Single InfiniBand* FDR IB port (Connect-IB* x8, QSFP+)</b></li> </ul> <p><b>Box includes:</b> one server board  <b>NOTE:</b> All necessary mounting hardware, cabling, and shielding will ship with the Intel chassis and optional accessory kits.</p>	<p><b>Server Board Only</b></p> <ul style="list-style-type: none"> <li>Building block option</li> <li>Spare FRU</li> </ul>

## 2.2 Intel® Compute Module HNS2000TP Product Family SKUs

Table 7. Intel® Server Compute Module HNS2600TP Product Family SKUs

Intel Product Code (iPC)	Order Information	Product Description	Product Type
<p><b>iPC - HNS2600TPR</b></p> 	<p>MM# - 943948                      UPC - 00735858309295                      EAN - 5032037081887                      MOQ - 1</p> <p>Packaged Gross Weight  <b>3.5 Kgs, 7.7 Lbs</b></p> <p>Un-packaged Net Weight  <b>4.7 Kgs, 10.4 Lbs</b></p>	<p><b><u>Intel® Compute Module HNS2600TPR</u></b></p> <p>(1) – Intel® Server Board S2600TPR                      (1) – Node Power Board – iPC FH2000NPB2                      (1) – 6Gb/s Bridge Board – iPC FHWTPBGB                      (1) – Slot1 riser card – iPC FHW1U16RISER2                      (3) – 40x56mm dual rotor fans FXX4056DRFAN2                      (1) - 1U passive heat sinks</p> <ul style="list-style-type: none"> <li>• (1) Front heat sink - iPC FXXE84X106HS</li> <li>• (1) Rear heat sink - iPC FXXC84X106HS</li> </ul> <p>(1) – Air duct                      (1) - 1U node tray</p> <p><b>NOTE:</b> Compatible with chassis H2312XXKR2, H2216XXKR2 only</p>	<p><b>Server Board only</b></p> <ul style="list-style-type: none"> <li>• Building block option</li> <li>• Spare FRU</li> </ul>
<p><b>iPC - HNS2600TPFR</b></p> 	<p>MM# - 943949                      UPC - 00735858309301                      EAN - 5032037081894                      MOQ - 1</p> <p>Packaged Gross Weight  <b>3.6 Kgs, 7.9 Lbs</b></p> <p>Un-packaged Net Weight  <b>4.8 Kgs, 10.6 Lbs</b></p>	<p><b><u>Intel® Compute Module HNS2600TPFR</u></b></p> <p>(1) – Intel® Server Board S2600TPFR included                      (1) – Node Power Board – iPC FH2000NPB2                      (1) – 6Gb/s Bridge Board – iPC FHWTPBGB                      (1) – Slot1 riser card – iPC FHW1U16RISER2                      (3) – 40x56mm dual rotor fans FXX4056DRFAN2                      (1) - 1U passive heat sinks</p> <ul style="list-style-type: none"> <li>• (1) Front heat sink - iPC FXXE84X106HS</li> <li>• (1) Rear heat sink - iPC FXXC84X106HS</li> </ul> <p>(1) – Air duct                      (1) - 1U node tray</p> <p><b>NOTE:</b> Compatible with chassis H2312XXKR2, H2216XXKR2 only</p>	<p><b>Server Board Only</b></p> <ul style="list-style-type: none"> <li>• Building block option</li> <li>• Spare FRU</li> </ul>



<p><b>iPC - HNS2600TP24R</b></p> 	<p>MM# - 943951                  UPC - 00735858310178                  EAN - 5032037082624                  MOQ - 1</p> <p>Packaged Gross Weight  <b>3.6 Kgs, 7.9 Lbs</b></p> <p>Un-packaged Net Weight  <b>4.8 Kgs, 10.6 Lbs</b></p>	<p><b><u>Intel® Compute Module HNS2600TP24R</u></b></p> <p>(1) – Intel® Server Board S2600TPR                  (1) – Node Power Board – iPC FH2000NPB24                  (1) – 12Gb/s Bridge Board – iPC FHWKTPBGB24                  (1) – Slot1 riser card – iPC FHW1U16RISER2                  (3) – 40x56mm dual rotor fans FXX4056DRFAN2                  (1) - 1U passive heat sinks</p> <ul style="list-style-type: none"> <li>• (1) Front heat sink - iPC FXXEA84X106HS</li> <li>• (1) Rear heat sink - iPC FXXC84X106HS</li> </ul> <p>(1) – Dual RJ-45 port 10GBASE-T I/O module - iPC AXX10GBTWLHW3                  (1) - PCI Express* x16 (200 pin) rIOM riser and rIOM carrier board kit -iPC AXXKTPM2IOM                  (1) – Air duct                  (1) - 1U node tray</p> <p><b>NOTE:</b> Compatible with chassis H2324XXKR2 only</p>	<p><b>Server Board Only</b></p> <ul style="list-style-type: none"> <li>• Building block option</li> <li>• Spare FRU</li> </ul>
<p><b>iPC - HNS2600TP24SR</b></p> 	<p>MM# - 945609                  UPC - 00735858310185                  EAN - 5032037082631                  MOQ - 1</p> <p>Packaged Gross Weight  <b>3.6 Kgs, 7.9 Lbs</b></p> <p>Un-packaged Net Weight  <b>4.8 Kgs, 10.6 Lbs</b></p>	<p><b><u>Intel® Compute Module HNS2600TP24SR</u></b></p> <p>(1) – Intel® Server Board S2600TPR                  (1) – Node Power Board – iPC FH2000NPB24                  (1) – 12Gb/s Bridge Board – iPC FHWKTPBGB24                  (1) – Slot1 riser card – iPC FHW1U16RISER2                  (3) – 40x56mm dual rotor fans FXX4056DRFAN2                  (1) - 1U passive heat sinks</p> <ul style="list-style-type: none"> <li>• (1) Front heat sink - iPC FXXEA84X106HS</li> <li>• (1) Rear heat sink - iPC FXXC84X106HS</li> </ul> <p>(1) – Dual SPF+ port 10GBASE-T I/O module - iPC AXX10GBNIAIOM                  (1) - PCI Express* x16 (200 pin) rIOM riser and rIOM carrier board kit -iPC AXXKTPM2IOM                  (1) – Air duct                  (1) - 1U node tray</p> <p><b>NOTE:</b> Compatible with chassis H2324XXKR2 only</p>	<p><b>Server Board Only</b></p> <ul style="list-style-type: none"> <li>• Building block option</li> <li>• Spare FRU</li> </ul>



## 2.3 Intel® Chassis H2000G Product Family SKUs


The product tables found in this section provide order code information and detailed descriptions for each available Intel server chassis building block option. The lower sections of each table identify:


- The ship along components of the specified chassis product code – (product BOM)
- **Required Items** – Hardware required to be installed to the base system to achieve basic functionality using the default system feature set
- **Optional Accessories** – Some of the available accessories which can be installed to enhance the basic feature set of the server board / chassis. Additional accessories can be found in Chapter 4.

### NOTES:

- Each **required item** and **optional accessory** is sold separately from the specified Intel server building block.
- Items identified as **iPC** (Intel Product Code), are an orderable building block option, accessory or spare FRU.
- In an effort to provide the complete product bill of materials, the ship along components list in each product table will include items identified by description and by **iPN** (Intel Part Number). The iPN information is provided for reference only. These components are **not** orderable as a spare or accessory.


Table 8. Intel® Server Chassis H2000G Product Family SKUs

<p><b>Intel Product Code (iPC):</b></p> <p><b>iPC - H2312XXKR2</b></p> 	<p><b>Order Code Information:</b></p> <p>MM# - <b>933689</b></p> <p>UPC - 00735858288347</p> <p>EAN - 5032037067669</p> <p>MOQ - 1</p>	<p>Product Type: <b>Chassis Only</b></p> <p>Chassis Form Factor: <b>2U rack mount</b></p> <p>Chassis dimensions: <b>L=771mm, W=438mm, H=86.9mm</b></p> <p>Packaged Gross Weight: <b>29.5 Kgs, 65 Lbs</b></p> <p>Un-packaged Net Weight: <b>21.5 Kgs, 47.4 Lbs</b></p> <p>Outer Box Dimensions: <b>L=983mm, W=577mm, H=266mm</b></p>
<p><b>Product Definition and Configuration Requirements</b></p>		
<p>Intel product code <b>H2312XXR2</b> includes the following components:</p> <p>(1) – 2U Chassis with Quick Reference Label affixed to top cover</p> <p>(1) - Pre-installed Standard Control Panel assembly (board only) – iPC <b>FH2000FPANEL2</b></p> <p>(1) - Power Distribution Board – iPC <b>FXXCRPSPDB2</b></p> <p>(2) - 1600W 80 PLUS Platinum PSUs – iPC <b>FXX1600PCRPS</b></p> <p>(4) – 3.5" Hot-swap drive bays with drive carriers and drive blanks, includes:</p> <ul style="list-style-type: none"> <li>• (1) 12 Gb SAS backplane – iPC <b>FHW12X35HS12G</b></li> <li>• (12) 3.5" hot swap drive carriers – iPC <b>FXX35HSCAR</b></li> </ul> <p>(4) - Blank node fillers</p> <p>(1) – Basic rack rail – iPC <b>AXXELVRAIL</b></p> <p><b>NOTE:</b> The rail kit only supports specific rack type with 3/8" square and 7.1mm round holes</p> <p>(1) – Power Supply Bay blank insert</p> <p>(8) – DIMM slot blanks – iPN H43597-00x</p> <p>(2) – Chassis handles (1 set) installed – iPN H19171-00x</p> <p>(2) – AC Power Cord retention strap assembly – iPN H23961-00x</p> <p>Server board and riser card mounting screws</p> <p>Spares for each screw type included</p>	<p><b>Required Items – Sold Separately:</b></p> <ul style="list-style-type: none"> <li>• Intel® Compute Module HNS2600TP (choose one) <ul style="list-style-type: none"> <li>○ iPC <b>HNS2600TPR</b> – without an integrated InfiniBand*</li> <li>○ iPC <b>HNS2600TPFR</b> – with an integrated InfiniBand*</li> </ul> </li> <li>• Power Cord(s) – See Chapter 4.6.</li> </ul> <p><b>NOTE:</b> Chassis shipped to the US &amp; Canada will contain North American power cords.</p> <ul style="list-style-type: none"> <li>• 1 or 2 Intel® Xeon® Processor E5-2600 v3/v4 product family</li> <li>• ECC DDR4 memory (RDIMM or LRDIMM)</li> </ul>	<p><b>Optional Intel Accessories – Sold Separately:</b></p> <ul style="list-style-type: none"> <li>• Intel® I/O Module – See Chapter 4.4 for options</li> <li>• Intel® SAS RAID Card / Module – See Section 4.5 for options</li> <li>• iPC <b>A2UBEZEL</b> – Lockable front system bezel</li> <li>• iPC <b>AXXRMM4LITE</b> – Intel® Remote Management Module Lite key. For advanced management features</li> <li>• Storage Drives</li> </ul> <p>See Chapter 3 for all available accessory options.</p>

<p><b>Intel Product Code (iPC):</b></p> <p><b>iPC - H2216XXKR2</b></p> 	<p><b>Order Code Information:</b></p> <p>MM# - 933688                  UPC - 00735858288354                  EAN - 5032037067676                  MOQ - 1</p>	<p>Product Type: <b>Chassis Only</b>                  Chassis Form Factor: <b>2U rack mount</b>                  Chassis dimensions: <b>L=733mm, W=438mm, H=86.9mm</b>                  Packaged Gross Weight: <b>28.4 Kgs, 62.6 Lbs</b>                  Un-packaged Net Weight: <b>20.5 Kgs, 45.2 Lbs</b>                  Outer Box Dimensions: <b>L=983mm, W=577mm, H=266mm</b></p>
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**Product Definition and Configuration Requirements**

<p>Intel product code <b>H2216XXKR2</b> includes the following components:</p> <p>(1) – 2U Chassis with Quick Reference Label affixed to top cover</p> <p>(1) - Pre-installed Standard Control Panel assembly (board only) – iPC <b>FH2000FPANEL2</b></p> <p>(1) - Power Distribution Board – iPC <b>FXXCRPSPDB2</b></p> <p>(2) - 1600W 80 PLUS Platinum PSUs – iPC <b>FXX1600PCRPS</b></p> <p>(4) – 2.5” Hot-swap drive bays with drive carriers and drive blanks, includes:</p> <ul style="list-style-type: none"> <li>(1) 12 Gb SAS backplane – iPC <b>FHW16X25HS12G</b></li> <li>(16) 2.5” hot swap drive carriers – iPC <b>FXX25HSCAR</b></li> </ul> <p>(4) - Blank node fillers</p> <p>(1) – Basic rack rail – iPC <b>AXXELVRAIL</b></p> <p><b>NOTE:</b> The rail kit only supports specific rack type with 3/8” square and 7.1mm round holes</p> <p>(1) – Power Supply Bay blank insert</p> <p>(8) – DIMM slot blanks – iPN H43597-00x</p> <p>(2) – Chassis handles (1 set) installed – iPN H19171-00x</p> <p>(2) – AC Power Cord retention strap assembly – iPN H23961-00x</p> <p>Server board and riser card mounting screws                  Spares for each screw type included</p>	<p><b>Required Items – Sold Separately:</b></p> <ul style="list-style-type: none"> <li>Intel® Compute Module HNS2600TP (choose one)                         <ul style="list-style-type: none"> <li>iPC <b>HNS2600TPR</b> – without an integrated InfiniBand*</li> <li>iPC <b>HNS2600TPFR</b> – with an integrated InfiniBand*</li> </ul> </li> <li>Power Cord(s) – See Chapter 4.6.</li> </ul> <p><b>NOTE:</b> Chassis shipped to the US &amp; Canada will contain North American power cords.</p> <ul style="list-style-type: none"> <li>1 or 2 Intel® Xeon® Processor E5-2600 v3/v4 product family</li> <li>ECC DDR4 memory (RDIMM or LRDIMM)</li> </ul>	<p><b>Optional Intel Accessories – Sold Separately:</b></p> <ul style="list-style-type: none"> <li>Intel® I/O Module – See Chapter 4.4 for options</li> <li>Intel® SAS RAID Card / Module – See Section 4.5 for options</li> <li>iPC <b>A2UBEZEL</b> – Lockable front system bezel</li> <li>iPC <b>AXXRMM4LITE</b> – Intel® Remote Management Module Lite key. For advanced management features</li> <li>Storage Drives</li> </ul> <p>See Chapter 3 for all available accessory options.</p>
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<p><b>Intel Product Code (iPC):</b></p> <p><b>iPC - H2224XXKR2</b></p> 	<p><b>Order Code Information:</b></p> <p>MM# - 943478                  UPC - 00735858302630                  EAN - 5032037077422                  MOQ - 1</p>	<p>Product Type: <b>Chassis Only</b>                  Chassis Form Factor: <b>2U rack mount</b>                  Chassis dimensions: <b>L=733mm, W=438mm, H=86.9mm</b>                  Packaged Gross Weight: <b>28.9 Kgs, 63.7 Lbs</b>                  Un-packaged Net Weight: <b>20.6 Kgs, 45.4 Lbs</b>                  Outer Box Dimensions: <b>L=983mm, W=577mm, H=266mm</b></p>
<p><b>Product Definition and Configuration Requirements</b></p>		
<p>Intel product code <b>H2224XXKR2</b> includes the following components:</p> <p>(1) – 2U Chassis with Quick Reference Label affixed to top cover</p> <p>(1) - Pre-installed Standard Control Panel assembly (board only) – iPC <b>FH2000FPANEL2</b></p> <p>(1) - Power Distribution Board – iPC <b>FXXCRPSPDB2</b></p> <p>(1) – Power Interposer Board – iPC <b>FXXCRPSPIB</b></p> <p>(2) - 1600W 80 PLUS Platinum PSUs – iPC <b>FXX1600PCRPS</b></p> <p>(4) – 2.5” Hot-swap drive bays with drive carriers and drive blanks, includes:</p> <ul style="list-style-type: none"> <li>• (1) 12 Gb SAS backplane – iPC <b>FHW24X25HS12G</b></li> <li>• (24) 2.5” hot swap drive carriers – iPC <b>FXX25HSCAR2</b></li> </ul> <p>(4) - Blank node fillers</p> <p>(1) – Basic rack rail – iPC <b>AXXELVRAIL</b></p> <p><b>NOTE:</b> The rail kit only supports specific rack type with 3/8” square and 7.1mm round holes</p> <p>(1) – Power Supply Bay blank insert</p> <p>(8) – DIMM slot blanks – iPN H43597-00x</p> <p>(2) – Chassis handles (1 set) installed – iPN H19171-00x</p> <p>(2) – AC Power Cord retention strap assembly – iPN H23961-00x</p> <p>Server board and riser card mounting screws                  Spares for each screw type included</p>	<p><b>Required Items – Sold Separately:</b></p> <ul style="list-style-type: none"> <li>• Intel® Compute Module HNS2600TP (choose one)                         <ul style="list-style-type: none"> <li>○ iPC <b>HNS2600TP24R</b> – with Dual Port Intel® X540 10GbE I/O Module (RJ45)</li> <li>○ iPC <b>HNS2600TP24SR</b> –with Dual Port Intel® 82599 10GbE I/O Module (SPF+)</li> </ul> </li> <li>• Power Cord(s) – See Chapter 4.6.</li> </ul> <p><b>NOTE:</b> Chassis shipped to the US &amp; Canada will contain North American power cords.</p> <ul style="list-style-type: none"> <li>• 1 or 2 Intel® Xeon® Processor E5-2600 v3/v4 product family</li> <li>• ECC DDR4 memory (RDIMM or LRDIMM)</li> </ul>	<p><b>Optional Intel Accessories – Sold Separately:</b></p> <ul style="list-style-type: none"> <li>• Intel® I/O Module – See Chapter 4.4 for options</li> <li>• Intel® SAS RAID Card / Module – See Section 4.5 for options</li> <li>• iPC <b>A2UBEZEL</b> – Lockable front system bezel</li> <li>• iPC <b>AXXRMM4LITE</b> – Intel® Remote Management Module Lite key. For advanced management features</li> <li>• Storage Drives</li> </ul> <p>See Chapter 3 for all available accessory options.</p>


### 3. Intel Server System Configuration Options

The following sections identify available accessory kits supported within the Intel® S2600TP product family.

#### 3.1 Locking Front Bezel Accessory Kit

The Front Bezel is made of back molede plastic and uses a snap-on design. When installed, its design allows for maximum airflow to maintain system cooling requirements. The front bezel includes a keyd locking mechanism which can be used to prevent unauthorized access to installed storage devices and front I/O ports.

Table 9. List of Front Bezel Accessory Kit

Intel Product Code	Order Information	Product Description	Product Type
iPC - A2UBEZEL 	MM# - 918086 UPC - 00735858241137 EAN - 5032037035880 MOQ - 1	<b>2U Bezel A2UBEZEL</b> 2U locking bezel with two branding clip-on inserts	<ul style="list-style-type: none"> <li>Accessory kit</li> </ul>

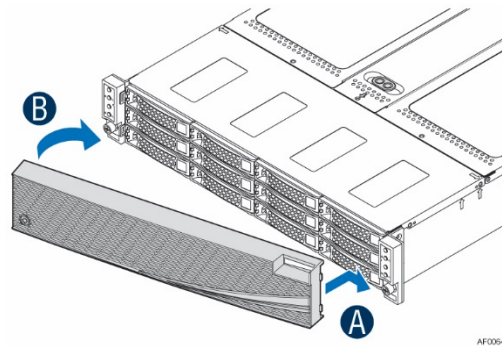


Figure 3. Installing the Front Bezel to the Chassis

The face of the bezel assembly includes snap-in identification badge options and a wave feature option to allow for customize.

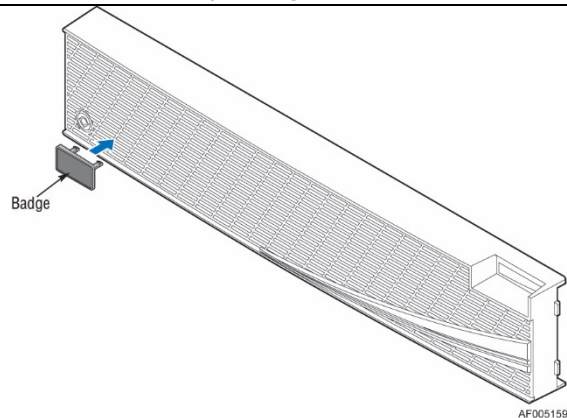


Figure 4. Installing the Snap-on to the Front Bezel

## 3.2 Intel® I/O Expansion Modules

The Intel® S2600TP product family includes supports for a number of optional Intel® I/O Module that install proprietary connectors on the server board leaving available PCIe\* add-in cards slot available for other add-in cards options.

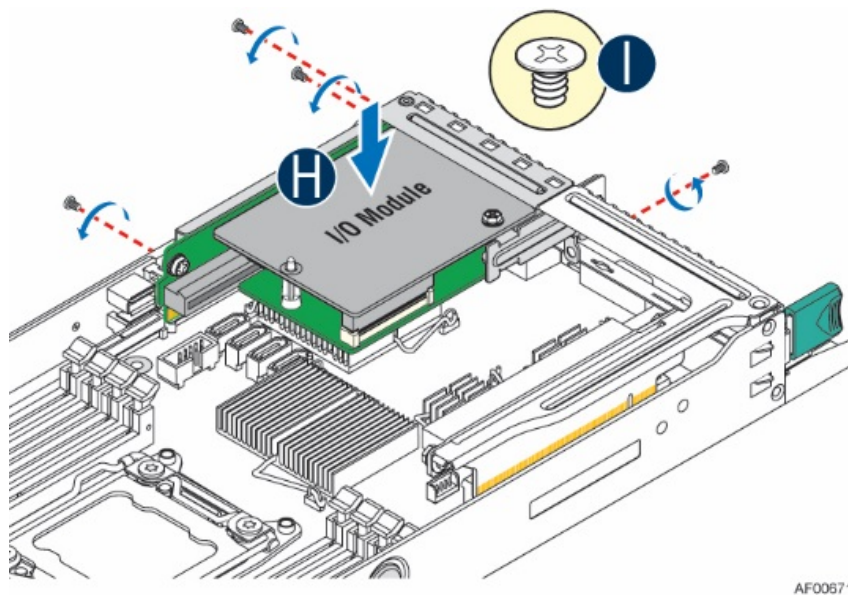





Figure 5. Intel® I/O Module Installation


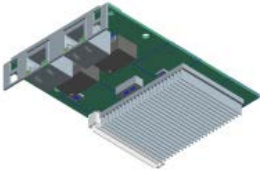


### **IMPORTANT NOTICE:**

All below I/O modules MUST have **AXXKPTPIOM** (MM# 935524) or **AXXKPT2IOM** (mm#943483) pre-installed in system.


Table 10. List of Intel® I/O Expansion Modules

Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC –AXXKPTPIOM</b></p> 	<p>MM# –935524 UPC – 00735858288385 EAN –5032037067706 MOQ – 1</p>	<p><b>Intel® I/O Modules AXXKPTPIOM</b></p> <p>PCI Express x16 (200 pin) rIOM riser and rIOM carrier board kit for supporting Intel® I/O module (on slot 2) for Intel® Compute Module HNS2600KP Product Family or Intel® Compute Module HNS2600TP Product Family</p> <p><b>NOTE:</b> Intel® I/O modules must have AXXKPTPIOM pre-installed. The production compute module and chassis configurations do <b>NOT</b> include AXXKPTPIOM.</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> </ul>
<p><b>iPC –AXXKTPM2IOM</b></p> 	<p>MM# –943483 UPC – 00735858302715 EAN –5032037077491 MOQ – 1</p>	<p><b>Intel® I/O Modules AXXKTPM2IOM</b></p> <p>PCI Express x16 (200 pin) rIOM riser and rIOM carrier board kit for supporting Intel® I/O module (on slot 2) and/or one SATA M.2 device for Intel® Compute Module HNS2600KP Product Family, or Intel® Compute Module HNS2600TPR, HNS2600TP24R, HNS2600TP24SR.</p> <p>1 x SATA cable included.</p> <p><b>NOTE:</b> The M.2 device installation is only supported on non-InfiniBand* SKUs - HNS2600TPR, HNS2600TPFR, HNS2600TP24R and HNS2600TP24SR. HNS2600TP24 and HNS2600TP24S includes this part by default.</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> <li>• Spare FRU for HNS2600TP24R and HNS2600TP24SR</li> </ul>
<p><b>iPC - AHWKPTPBOB</b></p> 	<p>MM# - 936274 UPC - 00735858288408 EAN - 5032037067720 MOQ - 1</p>	<p><b>Breakout Board AHWKPTPBOB</b></p> <p>Break out board accessory providing additional SATA ports for board only customers for Intel® Server Board S2600KP Product Family and Intel® Server Board S2600TP Product Family.</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> </ul>



Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC - AXX10GBNIAIOM</b></p> 	<p>MM# - 917905 UPC - 00735858241090 EAN - 5032037035842 MOQ - 1</p>	<p><b>Dual Port Intel® 82599EB 10GbE I/O Module</b> Dual SFP+ port 10GbE I/O module based on Intel® 82599 10 Gigabit Ethernet Controller</p> <p>Supports direct connect or transceiver. Cables/transceivers not included.</p> <p>Includes three screws</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> <li>• Spare FRU for HNS2600TP24SR</li> </ul>
<p><b>iPC - AXX10GBTWLHW3</b></p> 	<p>MM# - 941868 UPC - 00735858296649 EAN - 5032037072465 MOQ - 1</p>	<p><b>Dual RJ-45 port 10GBASE-T I/O Module</b> Dual RJ-45 port 10GBASE-T I/O module, based on Intel® Ethernet Controller X540</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> <li>• Spare FRU for HNS2600TP24R</li> </ul>
<p><b>iPC - AXX1FDRCIBIOM</b></p> 	<p>MM# - 918607 UPC - 00735858241106 EAN - 5032037035859 MOQ - 1</p>	<p><b>FDR InfiniBand* ConnectX-3* I/O Module</b> Single port, FDR 56GT/S speed Intel® I/O Expansion Infiniband* module, with QSFP connector, based on Mellanox* CX3 MT27504A1-FCCR-FV chip.</p> <p>Includes three screws</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> </ul>
<p><b>iPC - AXX2FDRIBIOM</b></p> 	<p>MM# - 920627 UPC - 00735858245722 EAN - 5032037040235 MOQ - 1</p>	<p><b>FDR InfiniBand* ConnectX-3* I/O Module</b> Dual-port, FDR 56GT/S (per port capable) speed Infiniband* module, with QSFP connector, based on Mellanox* CX3 MT27508A1-FCCR-FV chip.</p> <p><b>NOTE:</b> Due to PCIe* 3.0 x8 bandwidth limitation, both ports can't simultaneously function at full speed.</p> <p>Includes three screws.</p>	<ul style="list-style-type: none"> <li>• Accessory Kit</li> </ul>





Intel Product Code	Order Information	Product Description	Product Type
<p data-bbox="163 159 474 181"><b>iPC - AXX4P1GBPWL10M</b></p> 	<p data-bbox="554 201 735 224">MM# - 917911</p> <p data-bbox="554 233 821 256">UPC - 735858241083</p> <p data-bbox="554 266 835 289">EAN - 5032037035835</p> <p data-bbox="554 298 659 321">MOQ - 1</p>	<p data-bbox="1079 159 1608 181"><b>Quad Port Intel® I350-AE4 GbE I/O Module</b></p> <p data-bbox="991 198 1701 256">Quad-port 1GbE I/O Module based on Intel® Ethernet Controller I350</p>	<ul data-bbox="1726 285 1936 308" style="list-style-type: none"> <li>• Accessory Kit</li> </ul>

### 3.3 Intel® SAS Bridge Board Options

The Intel® Compute Module HNS2600TPR and HNS2600TPFR include a 6Gb/s bridge board which have the following upgraded options.

**Table 11. Intel® SAS Bridge Board**

Intel Product Code	Order Information	Product Description	Product Type
<b>iPC - AHWKPTP12GBGB</b> 	MM# - 935580 UPC - 735858288484 EAN - 5032037067805 MOQ - 1	<b>Spare 12Gb SAS Bridge Board AHWKPTP12GBGB</b> 12Gb SAS Bridge Board (RAID 0/1/10) for Intel® Compute Module HNS2600TPR or HNS2600TPFR only <b>NOTE:</b> 12Gb/s LSI* SAS3008 is included on the bridge board, RAID FW is based on MegaRAID*. It is only supported in dual processor configurations.	<ul style="list-style-type: none"> <li>Upgrade Kit for HNS2600TPR and HNS2600TPFR</li> </ul>
<b>iPC - AHWTPTP12GBGBR5</b> 	MM# - 937453 UPC - 735858288903 EAN - 5032037068185 MOQ - 1	<b>12Gb SAS Bridge Board AHWTPTP12GBGBR5 (with RAID 5)</b> 12Gb SAS Bridge Board (RAID 0/1/10/5) for Intel® Compute Module HNS2600TPR and HNS2600TPFR <b>NOTE:</b> 12Gb/s LSI* SAS3008 is included on the bridge board, RAID FW is based on MegaRAID*. It is only supported in dual processor configurations.	<ul style="list-style-type: none"> <li>Upgrade Kit for HNS2600TPR and HNS2600TPFR</li> </ul>

### 3.4 Intel® SAS RAID Add-in Cards, Module, and Accessories

Intel® RAID offers a broad portfolio of RAID solutions designed to address the storage-related challenges of the modern day datacenter as well as the small business. The Intel® S2600TP product family include support for the latest generation of 12Gb/s SAS Intel® RAID add-in cards, modules, expanders, and accessories. Previous 6Gb/s Intel RAID cards can also be supported. See the published Tested Hardware and OS List for a full list of validated Intel RAID cards. Additional information for Intel RAID products can be found at the following Intel web sites:



[http://www.intelraid.com/files/Intel\\_RMS3\\_Brief\\_Final.pdf](http://www.intelraid.com/files/Intel_RMS3_Brief_Final.pdf)

[http://www.intelraid.com/files/Intel-1106-RAID-Brochure\\_New2014102.pdf](http://www.intelraid.com/files/Intel-1106-RAID-Brochure_New2014102.pdf)

[http://www.intelraid.com/files/RAID\\_Matrix\\_20142.pdf](http://www.intelraid.com/files/RAID_Matrix_20142.pdf)





3.4.1 Intel® RAID Controller Add-in Cards – SAS 3.0 (12Gb/s)

Table 12. List of Intel® RAID Controller Add-in Cards – SAS 3.0 (12Gb/s)

Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC - RS3GC008</b></p> 	<p>MM# - 928220                      UPC - 735858267175                      EAN - 5032037053839                      MOQ - 5</p>	<p><b>Intel® RAID Controller RS3GC008</b>                      Intel® RAID Controller RS3GC008                      Low Profile, half length, (MD2 Compliant) PCIe* add-in card                      Entry Level SAS Card                      8 external SAS / SATA ports                      LSI* SAS3008 IOC                      RAID Levels – JBOD (SAS Connectivity)  <b>NOTE:</b> SAS Data cables are not included. Must be purchased separately.</p>	<ul style="list-style-type: none"> <li>Accessory Kit</li> </ul>
<p><b>iPC - RS3SC008</b></p> 	<p>MM# - 928223                      UPC - 735858266956                      EAN - 5032037068567                      MOQ - 5</p>	<p><b>Intel® RAID Controller RS3SC008</b>                      Low Profile, half length, (MD2 Compliant) PCIe* add-in card                      8 external SAS / SATA ports                      LSI* SAS3108 ROC                      RAID Levels – 0, 1, 5, 6, 10, 50, and 60                      Embedded 1GB DDR3 Cache Memory                      Supports Maintenance Free Backup Unit AXSRMFBU4.  <b>NOTES:</b>                      AXSRMFBU4 support is only for server board customer, H2000G chassis cannot support it as no enough space.                      SAS Data cables not included . Must be purchased separately</p>	<ul style="list-style-type: none"> <li>Accessory Kit</li> </ul>

### 3.4.2 Intel® RAID Accessoried Options

Table 13. List of Intel® RAID Accessoried Options


Intel Product Code	Order Information	Product Description	Product Type
<p>iPC - RKSATA4R5</p> 	<p>MM# - 916346 UPC - 735858238861 EAN - 5032037033640 MOQ - 5</p>	<p><b>Intel® RAID C600 Upgrade Key RKSATA4R5</b> Raid activation key. Activates RSTe SW RAID 0/1/10/5 and LSI* SW RAID 0/1/10/5 (enables LSI* SWR5), Black.</p>	<ul style="list-style-type: none"> <li>Accessory Kit</li> </ul>
<p>iPC - AXRPFKSSD2</p> 	<p>MM# - 915316 UPC - 735858221467 EAN - 5032037051699 MOQ - 5</p>	<p><b>Intel® RAID SSD Cache with Fast Path *I/O</b> Upgrade Key to enable SSD Cache with Fast path I/O for Intel's RAID RS25 family of ROC products.</p>	<ul style="list-style-type: none"> <li>Accessory Kit</li> </ul>
<p>iPC - AXRPFKDE2</p> 	<p>MM# - 915317 UPC - 735858221474 EAN - 5032037051705 MOQ - 5</p>	<p><b>Intel® RAID Drive Encryption Management</b> Upgrade Key to enable Drive Encryption Management for Intel's RAID RS25 family of ROC products</p>	<ul style="list-style-type: none"> <li>Accessory Kit</li> </ul>
<p>iPC - AXRPFKSNH2</p> 	<p>MM# - 915318 UPC - 735858221481 EAN - 5032037051712 MOQ - 5</p>	<p><b>Intel® RAID Rapid Recovery Snapshot</b> Upgrade Key to enable Rapid Recovery Snapshot for Intel's RAID RS25 family of ROC products.</p>	<ul style="list-style-type: none"> <li>Accessory Kit</li> </ul>

### 3.5 Rack Mount kits

The Intel® S2600TP provides the upgrade option to the rack mount kits.


**CAUTION:** Exceeding the rail kit's specified maximum weight limit or misalignment of the server in the rack may result in failure of the rack rails, resulting in damage to the systems or personal injury. Using two people or the use of a mechanical assist tool to install and align the server into the rack is highly recommended.

**Table 14. List of Rack Mount Kits**

Intel Product Code	Order Information	Product Description	Product Type
<p data-bbox="226 443 466 467"><b>iPC - AXXFULLRAIL</b></p> 	<p data-bbox="611 527 894 654">MM# - 939209 UPC - 735858291989 EAN - 5032037070546 MOQ - 1</p>	<p data-bbox="940 443 1604 467"><b>2/4U Premium Rail AXXFULLRAIL (with CMA support)</b></p> <p data-bbox="940 483 1234 508">2U+ Premium quality rails.</p> <ul data-bbox="940 519 1507 630" style="list-style-type: none"> <li>• Travel distance 780mm</li> <li>• Full extension from rack</li> <li>• Kit includes: Rails, screws, installation manual</li> </ul> <p data-bbox="940 678 1625 735">Cable Management arm cannot be supported by H2000G chassis</p>	<ul data-bbox="1650 576 1843 600" style="list-style-type: none"> <li>• Upgrade kit</li> </ul>

## 4. Miscellaneous Accessory Options

Table 15. List of Miscellaneous Accessory Options

Intel Product Code	Order Information	Product Description	Product Type
<p data-bbox="212 318 468 342">iPC - AXXRMM4LITE</p> 	<p data-bbox="596 383 879 509">MM# - 911660 UPC - 735858219297 EAN - 5032037014946 MOQ - 1</p>	<p data-bbox="905 435 1507 459">Activation key for advanced management features</p>	<ul data-bbox="1629 435 1845 459" style="list-style-type: none"><li data-bbox="1629 435 1845 459">• Accessory kit</li></ul>

## 5. Spare and Replacement Parts (FRUs)

Table 16. List of Spare and Replacement Parts

Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC –FHW1U16RISER2</b></p> 	<p>MM# – 935565 UPC – 00735858288392 EAN –5032037067713 MOQ – 1</p>	<p><b>PCI Express Riser FHW1U16RISER2 (Slot 1)</b> 1U PCI Express* x16 riser card for supporting in-board low-profile PCIe* card (on slot 1) on Intel® Compute Module HNS2600KP Product Family or Intel® Compute Module HNS2600TP Product Family</p>	<ul style="list-style-type: none"> <li>Spare FRU</li> </ul>
<p><b>iPC - FHW12X35HS12G</b></p> 	<p>MM# - 935567 UPC - 00735858288446 EAN - 5032037067768 MOQ - 1</p>	<p><b>Spare 12Gb SAS/SATA 12 x 3.5" Backplane</b> 12 x 3.5" spare backplane for Intel® Server Chassis H2312XXKR2.</p>	<ul style="list-style-type: none"> <li>Spare FRU for H2312XXKR2</li> </ul>
<p><b>iPC - FHW16X25HS12G</b></p> 	<p>MM# - 935573 UPC - 00735858288453 EAN - 5032037067775 MOQ - 1</p>	<p><b>Spare 12Gb SAS/SATA 16 x 2.5" Backplane</b> 16 x 2.5" spare backplane for Intel® Server Chassis H2216XXKR2.</p>	<ul style="list-style-type: none"> <li>Spare FRU for H2216XXKR2</li> </ul>

Intel® Server S2600TP Product Family Configuration Guide and Spares/Accessories List



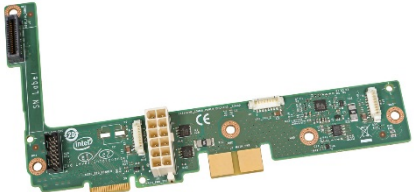
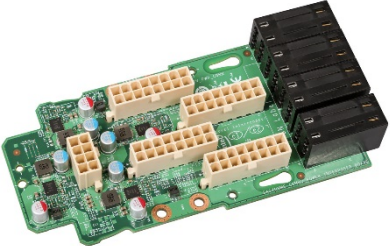
Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC - FHW24X25HS12G</b></p> 	<p>MM# - 943481 UPC - 00735858302692 EAN - 5032037077477 MOQ - 1</p>	<p><b>Spare 12Gb SAS 24 x 2.5" Backplane</b> 24 x 2.5" spare backplane for Intel® Server Chassis H2224XXKR2.</p>	<ul style="list-style-type: none"> <li>• Spare FRU for H2224XXKR2</li> </ul>
<p><b>iPC - FHWKPTPBGB</b></p> 	<p>MM# - 935575 UPC - 00735858288422 EAN - 5032037067744 MOQ - 1</p>	<p><b>Spare SATA Bridge Board</b> Spare SATA Bridge Board for Intel® Compute Module HNS2600TPR or Intel® Compute Module HNS2600TPFR <b>only</b>.</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - FHWKPTPBGB24</b></p> 	<p>MM# - 943482 UPC - 00735858302708 EAN - 5032037077484 MOQ - 1</p>	<p><b>Spare SAS/PCIe SFF Combo Bridge Board</b> Spare 12Gb/s SAS/PCIe SFF Combo Bridge Board for Intel® Compute Module HNS2600TP24R or HNS2600TP24SR <b>only</b>. <b>NOTES:</b> 12Gb/s SAS chip 3008 is included on the bridge board, only supports SAS pass through mode, no RAID support. It is only supported in dual processor configurations.</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - FXX4056DRFAN2</b></p> 	<p>MM# - 935566 UPC - 735858288439 EAN - 5032037067751 MOQ - 1</p>	<p>40x56mm Dual Rotor Fan spare</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>

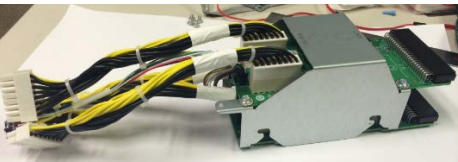
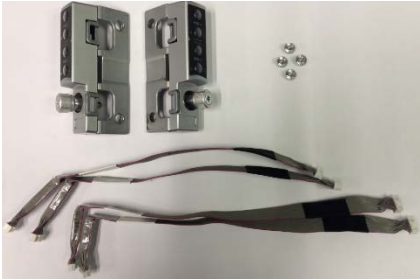



Intel® Server S2600TP Product Family Configuration Guide and Spares/Accessories List

Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC - FXXCA84X106HS</b></p> 	<p>MM# - 918318                      UPC - 00735858236676                      EAN - 5032037031448                      MOQ - 2</p>	<p>1U Standard Boxed Cu/Al 84mm x 106mm Heat Sink (Rear Heat Sink)</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - FXXE84X106HS</b></p> 	<p>MM# - 918321                      UPC - 00735858236683                      EAN - 5032037031455                      MOQ - 2</p>	<p>1U Standard Cu/Al 91.5mm x 91.5mm Heat Sink (Front Heat Sink)</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - FXX25HSCAR2</b></p> 	<p>MM# - 937542                      UPC - 735858289405                      EAN - 5032037068383                      MOQ - 8</p>	<p>Spare 2.5" HDD hot swap carriers</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - FXX35HSCAR</b></p> 	<p>MM# - 936192                      UPC - 735858289412                      EAN - 5032037068390                      MOQ - 8</p>	<p>Spare 3.5" HDD hot swap carriers</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>




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Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC - FXX1600PCRPS</b></p> 	<p>MM# - 915606 UPC - 735858243650 EAN - 5032037038294 MOQ - 1</p>	<p><b>1600W Common Redundant Power Supply FXX1600PCRPS (Platinum-Efficiency)</b> 1600W AC Common Redundant Power Supply 80Plus Platinum-Efficiency</p>	<ul style="list-style-type: none"> <li>• Spare FRU for H2216XXKR2 and H2312XXKR2 and H2224XXKR2</li> </ul>
			<ul style="list-style-type: none"> <li>•</li> </ul>
<p><b>iPC - FH2000NPB2</b></p> 	<p>MM# - 935574 UPC - 00735858288477 EAN - 5032037067799 MOQ - 1</p>	<p><b>Spare Node Power Board FH2000NPB2</b> Spare Node Power Board (Compute Module Power Docking Board) for Intel® Compute Module HNS2600TPR or HNS2600TPFR.</p>	<ul style="list-style-type: none"> <li>• Spare FRU for HNS2600TPR and HNS2600TPFR</li> </ul>
<p><b>iPC - FH2000NPB24</b></p> 	<p>MM# - 943480 UPC - 00735858302685 EAN - 5032037077460 MOQ - 1</p>	<p><b>Spare Node Power Board FH2000NPB2</b> Spare Node Power Board (Compute Module Power Docking Board) for Intel® Compute Module HNS2600TP24R or HNS2600TP24SR.</p>	<ul style="list-style-type: none"> <li>• Spare FRU for HNS2600TP24R and HNS2600TP24SR</li> </ul>
<p><b>iPC - FXXCRPSIB</b></p> 	<p>MM# - 943484 UPC - 00735858302722 EAN - 5032037077507 MOQ - 1</p>	<p><b>Spare Power Interposer Board FH2000NPB2</b> Spare power interposer board module for Intel® Server Chassis H2224XXKR2.</p> <p>Includes: (1) bracket included (1) 5V power cable included (1) power interposer board included</p>	<ul style="list-style-type: none"> <li>• Spare FRU for HNS2600TP24R and HNS2600TP24SR</li> </ul>

Intel Product Code	Order Information	Product Description	Product Type
<p><b>iPC - FXXCRPSPDB2</b></p> 	<p>MM# - 935576 UPC - 735858288460 EAN - 5032037067782 MOQ - 1</p>	<p><b>Power Distribution Board Spare</b> Spare Power Distribution Board Module including 2 boards, cables, a bus pair and supporting bracket, etc for Common Redundant Power Supply 1600W of Intel® Server Chassis H2000G Product Family.</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - FH2000FPANEL2</b></p> 	<p>MM# - 935578 UPC - 735858288415 EAN - 5032037067737 MOQ - 1</p>	<p><b>Spare Front Control Panel Kit</b> Spare front control panel kit (2 mini-front panel boards and rack handle assembly, etc) for Intel® Server Chassis H2000G Product Family.</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>
<p><b>iPC - AXXELVRAIL</b></p> 	<p>MM# - 920970 UPC - 735858244367 EAN - 5032037038980 MOQ - 1</p>	<p><b>Enhanced Value RAIL AXXELVRAIL</b> Value Rail Kit, half extension, extended inner slide member</p>	<ul style="list-style-type: none"> <li>• Spare FRU</li> </ul>

## 6. Extended Warranty

Table 17. Extended Warranty

Image	Order Information	Description
 <p>Intel® Server Component Extended Warranty Key</p> <p>MM# - 923113</p> <p>MM# - 923113</p> <p>MOQ - 1</p> <p>Expiration: 30 Days</p> <p>Instructions to enable Intel® Server Component Extended Warranty</p> <ol style="list-style-type: none"> <li>1. Register the component under the Intel® Server System - Intel® Server Rack - Intel® Server Chassis or Intel® Server Rack only for parts or for warranty of the component.</li> <li>2. Go to <a href="http://www.intel.com/go/extendedwarranty">www.intel.com/go/extendedwarranty</a> and click on the "Get Key" button. You will be prompted to enter the MM# and the quantity of the component you wish to register.</li> <li>3. Follow the address assistance option: <a href="mailto:hw@intel.com">hw@intel.com</a></li> </ol>	<p><b>iPC - SVCEWHWSY</b></p> <p>MM# - 923113</p> <p>MOQ - 1</p>	<p>Extended Warranty for complete system (1x Intel® Server Chassis H2000G + 4x Intel® Compute Module HNS2600TP), Single</p>
 <p>Intel® Server Component Extended Warranty Key</p> <p>MM# - 914905</p> <p>MM# - 914905</p> <p>MOQ - 1</p> <p>Expiration: 30 Days</p> <p>Instructions to enable Intel® Server Component Extended Warranty</p> <ol style="list-style-type: none"> <li>1. Register the component under the Intel® Server System - Intel® Server Rack - Intel® Server Chassis or Intel® Server Rack only for parts or for warranty of the component.</li> <li>2. Go to <a href="http://www.intel.com/go/extendedwarranty">www.intel.com/go/extendedwarranty</a> and click on the "Get Key" button. You will be prompted to enter the MM# and the quantity of the component you wish to register.</li> <li>3. Follow the address assistance option: <a href="mailto:hw@intel.com">hw@intel.com</a></li> </ol>	<p><b>iPC - SVCEWHWB</b></p> <p>MM# - 914905</p> <p>MOQ - 1</p>	<p>Extended Warranty for single node (1x Intel® Compute Module HNS2600TP), Single</p>
 <p>Intel® Server Component Extended Warranty Key</p> <p>MM# - 911294</p> <p>MM# - 911294</p> <p>MOQ - 1</p> <p>Expiration: 30 Days</p> <p>Instructions to enable Intel® Server Component Extended Warranty</p> <ol style="list-style-type: none"> <li>1. Register the component under the Intel® Server System - Intel® Server Rack - Intel® Server Chassis or Intel® Server Rack only for parts or for warranty of the component.</li> <li>2. Go to <a href="http://www.intel.com/go/extendedwarranty">www.intel.com/go/extendedwarranty</a> and click on the "Get Key" button. You will be prompted to enter the MM# and the quantity of the component you wish to register.</li> <li>3. Follow the address assistance option: <a href="mailto:hw@intel.com">hw@intel.com</a></li> </ol>	<p><b>iPC - SVCEWDPBD</b></p> <p>MM# - 911294</p> <p>MOQ - 1</p>	<p>Extended warranty for the mainboard only (for use with 3<sup>rd</sup> party chassis; applies to board only SKUs BBS2600TPR, BBS2600TPFR)</p>

## Glossary of Terms

**Table 18. A list of Acronyms and Terms used throughout this document**

<b>Acronym or Term</b>	<b>Definition</b>	<b>Acronym or Term</b>	<b>Definition</b>
BIK	Baseboard In Knock-Down-Kit – Integrated System	QSFP	Quad Small Form factor Pluggable
CRPS	Common Redundant Power Supply	RAID	Redundant Array of Independent Drives
EAN	International Article Number (Barcode)	Required Option	Hardware that must be added to the shipping configuration for the system to operate
EMI	Electromagnetic Interference	RMFBU	RAID Maintenance Free Backup Unit
ESRT2	Intel® Embedded Server RAID Technology 2	RMM4 Lite	Intel® Remote Management Module 4 Lite Activation key
FDR Infiniband	Fourteen Data Rate Infiniband	ROC	RAID on Chip
FRU	Field Replaceable Unit	RSTe	Intel® Rapid Storage Technology
GPGPU	General Purpose computing on Graphics Processing Unit	SAS	Serial Attached SCSI
iPC	Intel Product Code	SATA	Serial ATA
iPN	Intel Product Number	SFP	Small Form factor Pluggable
LCP	Intel® Local Control Panel	SKU	Stock Keeping Unit
JBOD	Just a bunch of drives	SSD	Solid State Drive
KDK	Knock-Down-Kit – (Chassis only product)	UPC	Universal Product Code ( Barcode)
KVM	Keyboard / Video / Mouse		
MM#	Master Material order number		
MOQ	Minimum Order Quantity		
NVMe	NVM Express – based on Non-Volatile Memory Host Controller Interface Specification (NVMHCI)		
Optional Accessory	Hardware that can be added to the system to enhance the default feature set of the shipping configuration		
PCBA	Printed Circuit Board Assembly		