

# **Intel® Server Board S1600JP Family**

## **Intel® Server System R1600JP Family**

### **Spares/Accessories List and Configuration Guide**



A reference guide to assist customers in ordering the necessary components to configure the Intel® Server Board S1600JP and the appropriate 1U Intel Rack Mount Server Systems



Revision 1.05

Feb 2013

Enterprise Platforms and Services Marketing

## ***Revision History***

September '12 – Rev 0.8 – Production draft

October '12 – Rev 0.9 – First publication

October '12 – Rev 1.0 – picture and description updates

December '12 – Rev 1.01 – removed PDA'd SW products

Feb '13 – Rev 1.05 – changes in HS spare info and added missing PS spare info

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# 1. System Product Order Codes

## 1.1 Product Descriptions – Overview

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

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

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

## 1.2 Summary chart

For a quick overview, all configuration options are summarized on below chart. Reference details below in this document for MM numbers, configuration details and product order codes.

Intel® Server Chassis and Systems shipped to the US & Canada will contain North American power cords. North American customers no longer need to order skus ending in “NA” to receive power cords on these products.

1U Intel® Server Systems:

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

Board:

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

### 1.3 Available Production Board order codes

| Image                                                                                                            | Product Code<br>MM<br>UPC<br>EAN<br>MOQ                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>*Quad NIC board shown</p>   | <p>BBS1600JP4</p> <p>923163</p> <p>00735858253178</p> <p>5032037046190</p> <p>10</p> | <p>Production Intel® Server Board S1600JP4 (OEM 10-pack version)</p> <ul style="list-style-type: none"> <li>- 6.8" W x 13.8" L</li> <li>- 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs</li> <li>- 4x 3Gb/s SATA/SAS ports (mini-SAS connector) from SCU, 4x 3Gb/s SATA ports (7-pin connector) from SATA controller, 2x 6Gb/s SATA ports from AHCI (one supports SATA DOM)</li> <li>- 2 PCIe3 x16 and 1 PCIe3 x8 capable slots (not PCIe Sig compatible)</li> <li>- Quad 1GbE</li> <li>- Compatible with Intel® Xeon® processor E5-2600 and E5-1600 series.</li> </ul> <p>Note: Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended for large customers only</p>                   |
|  <p>*Quad NIC board shown</p> | <p>BBS1600JP2</p> <p>923164</p> <p>00735858253185</p> <p>5032037046206</p> <p>10</p> | <p>Production Intel® Server Board S1600JP2 (OEM 10-pack version) <b>(Note this SKU is Build to Order only)</b></p> <ul style="list-style-type: none"> <li>- 6.8" W x 13.8" L</li> <li>- 8x DIMMs support DDR3/DDR3L LR/U/R-DIMMs</li> <li>- 4x 3Gb/s SATA/SAS ports (mini-SAS connector) from SCU, 4x 3Gb/s SATA ports (7-pin connector) from SATA controller, 2x 6Gb/s SATA ports from AHCI (one supports SATA DOM)</li> <li>- 2 PCIe3 x16 and 1 PCIe3 x8 riser slots</li> <li>- Dual 1GbE</li> <li>- Compatible with Intel® Xeon® processor E5-2600 and E5-1600 series.</li> </ul> <p>Note: Bulk 10 Pack does not contain I/O shields, multiple CDs, or multiple pieces of documentation and is intended for large customers only</p> |

## 1.4 Available Production System order codes

| Image                                                                                                 | Product Code<br>MM<br>UPC<br>EAN<br>MOQ                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>*Demo only</p>   | <p>R1304JP4GS</p> <p>923168</p> <p>735858254892</p> <p>5032037047715</p> <p>1</p> | <p>The Production Intel® Server System R1304JP4GS</p> <ul style="list-style-type: none"> <li>- Intel® Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>- Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations, please refer to Technical Product Specification</li> <li>- Standard control panel (board FXXFPANEL)</li> <li>- Front 1x VGA and 2x USB in dedicated tray</li> <li>- ODD bay for CD/DVD drive support</li> <li>- 4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FR1304HSBP)</li> <li>- Two risers: 1x16 PCIe FHFL slot (F1UJPMICRISER) for double width addin card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>- 5x 4056 dual rotor fans (F1UJPFAN)</li> <li>- 1U passive heatsinks (FXXE84X106HS)</li> <li>- Two airducts: one for CPU and memory, one for double width addin card</li> <li>- 750W PSU Power distribution board (F1UJP750WPDB)</li> <li>- Single 750W AC PSU (FXX750PCRPS)</li> <li>- Pre-routed cables (including MIC power cable)</li> <li>- Basic rack rail (AXXELVRAIL)</li> </ul> <p><i>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</i></p> <p><i>Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module</i></p> |
|  <p>*Demo only</p> | <p>R1208JP4GS</p> <p>923169</p> <p>735858254908</p> <p>5032037047722</p> <p>1</p> | <p>The Production Intel® Server System R1208JP4GS</p> <ul style="list-style-type: none"> <li>- Intel® Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>- Max CPU TDP supported – 135W with optional FXXCA84X106HS accessory and configuration limitations, please refer to Technical Product Specification</li> <li>- Standard control panel (board FXXFPANEL)</li> <li>- Front 1x VGA and 2x USB in dedicated tray</li> <li>- ODD bay for CD/DVD drive support</li> <li>- 8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP)</li> <li>- Two risers: 1x16 PCIe FHFL slot (F1UJPMICRISER) for double width addin card, 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>- 5x 4056 dual rotor fans (F1UJPFAN)</li> <li>- 1U passive heatsinks (FXXE84X106HS)</li> <li>- Two airducts: one for CPU and memory, one for GPGPU/MIC</li> <li>- 750W PSU Power distribution board (F1UJP750WPDB)</li> <li>- Single 750W AC PSU (FXX750PCRPS)</li> <li>- Pre-routed cables (including MIC power cable)</li> <li>- Basic rack rail (AXXELVRAIL)</li> </ul> <p><i>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</i></p>                                                                                                                                                                 |

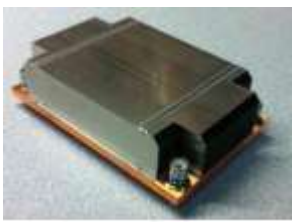
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|                                                                                     |                                                                                   | <p><i>Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | <p>R1304JP4OC</p> <p>923165</p> <p>735858254878</p> <p>5032037047692</p> <p>1</p> | <p>The Production Intel® Server System R1304JP4OC</p> <ul style="list-style-type: none"> <li>- Intel® Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>- Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations, please reference Technical Product Specification</li> <li>- Standard control panel (board FXXFPANEL)</li> <li>- Front 1x VGA and 2x USB in dedicated tray</li> <li>- ODD bay for CD/DVD drive support</li> <li>- 4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FR1304HSBP)</li> <li>- Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER) , 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>- 4x 4056 dual rotor fans (F1UJPFAN)</li> <li>- 1U passive heatsinks (FXXEA84X106HS)</li> <li>- One airducts for CPU and memory</li> <li>- 450W AC PSU Power distribution board (F1U450WPDB)</li> <li>- Two 450W AC PSU (F1U450WPSU)</li> <li>- Pre-routed cables</li> <li>- Basic rack rail (AXXELVRAIL)</li> </ul> <p><i>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</i></p> <p><i>Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module</i></p> |
|  | <p>R1208JP4OC</p> <p>923166</p> <p>735858254885</p> <p>5032037047708</p> <p>1</p> | <p>The Production Intel® Server System R1208JP4OC</p> <ul style="list-style-type: none"> <li>- Intel® Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>- Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations, please reference Technical Product Specification</li> <li>- Standard control panel (board FXXFPANEL)</li> <li>- Front 1x VGA and 2x USB in dedicated tray</li> <li>- ODD bay for CD/DVD drive support</li> <li>- 8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP)</li> <li>- Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER) , 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>- 4x 4056 dual rotor fans (F1UJPFAN)</li> <li>- 1U passive heatsinks (FXXEA84X106HS)</li> <li>- One airducts for CPU and memory</li> <li>- 450W AC PSU Power distribution board (F1U450WPDB)</li> <li>- Two 450W AC PSU (F1U450WPSU)</li> <li>- Pre-routed cables</li> <li>- Basic rack rail (AXXELVRAIL)</li> </ul> <p><i>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</i></p> <p><i>Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module</i></p>                 |

|                                                                                     |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>R1304JP4TC</p> <p>923170</p> <p>735858254915</p> <p>5032037047739</p> <p>1</p> | <p>The Production Intel® Server System R1304JP4TC</p> <ul style="list-style-type: none"> <li>- Intel® Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>- Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations, please reference Technical Product Specification</li> <li>- Standard control panel (board FXXFPANEL)</li> <li>- Front 1x VGA and 2x USB in dedicated tray</li> <li>- ODD bay for CD/DVD drive support</li> <li>- 4x3.5" (and 2.5" SSDs) HS HDD support (carriers FXX35HSADPB included, backplane FR1304HSBP)</li> <li>- Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER) , 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>- 4x 4056 dual rotor fans (F1UJPFAN)</li> <li>- 1U passive heatsinks (FXXEA84X106HS)</li> <li>- One airducts for CPU and memory</li> <li>- 450W DC PSU Power distribution board (FXX450WDCPDB)</li> <li>- Two 450W DC PSU (F1U450WDCPS)</li> <li>- Pre-routed cables</li> <li>- Basic rack rail (AXXELVRAIL)</li> </ul> <p><i>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</i></p> <p><i>Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module</i></p> |
|  | <p>R1208JP4TC</p> <p>923172</p> <p>735858254922</p> <p>5032037047746</p> <p>1</p> | <p>The Production Intel® Server System R1208JP4TC</p> <ul style="list-style-type: none"> <li>- Intel® Server Board S1600JP4 in 1U chassis (R1000JP4)</li> <li>- Max CPU TDP supported – 135W with FXXCA84X106HS and configuration limitations, please reference Technical Product Specification</li> <li>- Standard control panel (board FXXFPANEL)</li> <li>- Front 1x VGA and 2x USB in dedicated tray</li> <li>- ODD bay for CD/DVD drive support</li> <li>- 8x2.5" HS HDD support (carriers FXX25HSCAR included, backplane F1U8X25HSBP)</li> <li>- Two risers: 2x8 PCIe FHFL slot (F1UJP2X8RISER) , 1x16 PCIe Low-profile slot (F1UJP1X16RISER)</li> <li>- 4x 4056 dual rotor fans (F1UJPFAN)</li> <li>- 1U passive heatsinks (FXXEA84X106HS)</li> <li>- One airducts for CPU and memory</li> <li>- 450W DC PSU Power distribution board (FXX450WDCPDB)</li> <li>- Two 450W DC PSU (F1U450WDCPS)</li> <li>- Pre-routed cables</li> <li>- Basic rack rail (AXXELVRAIL)</li> </ul> <p><i>There are no additional required components to make this system functional – just add processors, memory, and HDDs.</i></p> <p><i>Note: No Slot 2 Riser is not included, choose between A1UJPRMM4IOM and A1UJP6GKIT for supporting IOMs or SAS Module</i></p>                 |

## 2. Spares and Accessories Order Codes

### 2.1 General spares and accessories

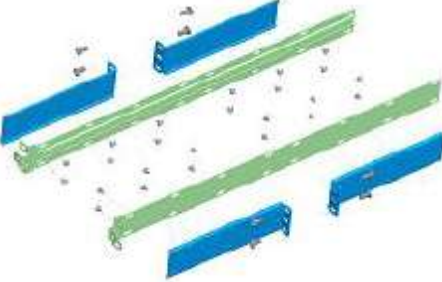
| Image                                                                                                        | Product Code<br>MM<br>UPC<br>EAN<br>MOQ                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | AXXRMM4LITE<br><br>911660<br>00735858219297<br>5032037014946<br>1   | Accessory Activation key for enabling advanced management features of BMC<br><br><b>Note:</b> If the you only integrate the AXXRMM4LITE, and not the A1UJPRMM4IOM, the BMC will utilize shared NIC.                                                                                                                                                                                                                                                           |
|                            | A1UJPRMM4IOM<br><br>924114<br>735858253345<br>5032037046367<br>1    | This accessory is used when adding management and or I/O Module accessories for connectivity (i.e. LAN or IB)<br><br>PCI Express x8 (98 pin) rIOM riser and rIOM carrier board kit for supporting dedicated RMM4 NIC port and containing Intel® I/O module on Slot2 for S1600JP and R1000JP family<br><br><b>NOTE:</b> The AXXRMM4LITE is NOT included. It must be ordered seperately for advanced management features. Also I/O Modules are sold seperately. |
| <br>*Bracket not included | F1UJP1X16RISER<br><br>924113<br>735858253338<br>5032037046350<br>10 | Spare 1U PCI Express x16 riser card for supporting in-board low-profile PCIe adding card of Slot1 on S1600JP and R1000JP family.<br><br><b>NOTE:</b> This riser is included with all systems.                                                                                                                                                                                                                                                                 |
|                           | F1UJP2X8RISER<br><br>924104<br>735858254953<br>5032037047777<br>10  | Spare 1U PCI Express 2x8 riser card for supporting FHFL single width PCIe adding card (top x8 slot is mechanical x16) of Slot3 on R1000JP family<br><br><b>NOTE:</b> This riser is included in systems with product codes ending in C.                                                                                                                                                                                                                        |
|                           | F1UJPMICRISER<br><br>924112<br>735858254960                         | Accessory for using in place of included 2X8 Riser above, for customers wishing to utilize double width addin card<br>1U PCI Express 1x16 riser card for supporting FHFL double width PCIe addin card in Slot3 on R1000JP family                                                                                                                                                                                                                              |

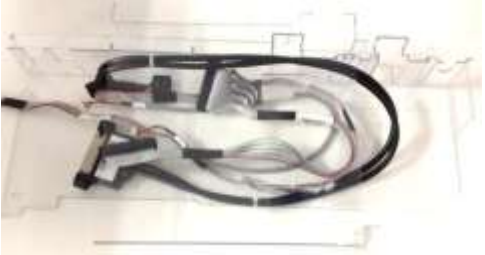
|                                                                                                  |                                                               |                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *Demo only                                                                                       | 5032037047784<br>10                                           | <b>NOTE:</b> This riser is included in systems with product codes ending in S.                                                                                                                                                                                                        |
|                 | FR1304HSBP<br>912384<br>735858219334<br>5032037015783<br>1    | Hot swap backplane board spare for 1U 4x3.5" chassis ( R1304 family)                                                                                                                                                                                                                  |
|                 | F1U8X25HSBP<br>917977<br>735858241014<br>5032037035767<br>1   | Hot swap backplane board spare for 1U 8x2.5" chassis (R1208 family)                                                                                                                                                                                                                   |
| <br>*Demo only | FXXCA84X106HS<br>918318<br>735858236676<br>5032037031448<br>2 | 1U Standard Cu/Al 84mm x 106mm Heat Sink<br><br><i>Note: FXXCA84X106HS is an accessory needed for supporting the Max TDP processor – 135W and 130W Intel® Xeon® Processor E5-1600 Family in R1000JP system, alternatively boxed heatsink product code STS200PNRW can be utilized.</i> |
|               | FXXE84X106HS<br>918321<br>735858236683<br>5032037031455<br>2  | 1U Standard Ex-Al 84mm x 106mm Heat Sink<br><br>This Heatsink Spare is for all systems (matches the included system HS)                                                                                                                                                               |
|               | BXSTS200PNRW<br>915971<br>737858221801<br>5032037014489       | Box Processor Narrow heatsink                                                                                                                                                                                                                                                         |
|               | AXXTPME5<br>919737<br>735858240352                            | Accessory Trusted Platform Module for server systems (TPM 1.2)                                                                                                                                                                                                                        |

|                                                                                                                        |                                                                           |                                                                   |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|
|                                       | 5032037035088<br><br>1                                                    |                                                                   |
| <br><br>*Demo only                    | F1UJPFAN<br><br>924118<br><br>735858255004<br>5032037047821<br><br>5      | 40x56mm Dual Rotor Fan spare for R1000JP family                   |
|                                       | FXX750PCRPS<br><br>915604<br><br>735858234979<br>5032037030601<br><br>1   | 750W AC CRPS 80+ Platinum efficiency power supply spare/accessory |
| <br><br>*Demo only not actual photo | ASR1695PSDC<br><br>907791<br><br>00735858215527<br>5032037014038<br><br>1 | 450W DC Power Supply spare                                        |
| <br><br>*Demo only not actual photo | F1U450WDCPS<br><br>00735858259125<br>5032037049795<br>1                   | 450W DC Power Supply spare                                        |

|                                                                                                                        |                                                                                      |                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>*Demo only</p>                    | <p>F1U450WPSU</p> <p>921471</p> <p>00735858247962</p> <p>5032037042840</p> <p>1</p>  | <p>450W AC miniERP 80+ Gold efficiency power supply spare</p>                                                                                                                                                                                                                                                  |
|                                       | <p>F1U450WPDB</p> <p>921473</p> <p>00735858247979</p> <p>5032037042857</p> <p>1</p>  | <p>450W AC miniERP 80+ Gold efficiency power supply PDB and Cage spare</p>                                                                                                                                                                                                                                     |
| <p>Coming Soon</p>                                                                                                     | <p>FXX450WDCPDB</p> <p>924098</p> <p>735858254939</p> <p>5032037047753</p> <p>10</p> | <p>450W DC PSU power distribution board spare</p>                                                                                                                                                                                                                                                              |
|  <p>*Demo only not actual photo</p> | <p>F1UJP750WPDB</p> <p>924103</p> <p>735858254946</p> <p>5032037047760</p> <p>10</p> | <p>750W AC PSU power distribution board spare</p>                                                                                                                                                                                                                                                              |
|  <p>*Demo only</p>                  | <p>A1U2ULCP</p> <p>921028</p> <p>735858245302</p> <p>5032037039826</p> <p>1</p>      | <p>Accessory LCP Module (local control panel)<br/>Enables system to display critical errors from SEL for instant diagnostic. Also allows custom message for branding. When installed – replaces ODD on 1208 family, and replaces I/O ports tray on 1304. Module has 2 USB ports. No front video connector.</p> |
|                                     | <p>FXXFPANEL</p> <p>915982</p> <p>00735858222419</p>                                 | <p>Front Panel board spare for use on 1U/2U rack systems (R1000, R2000 except R2224 and R2312)<br/>Rack chassis and P4300 Pedestal Chassis</p>                                                                                                                                                                 |

|                                                                                     |                                                                     |                                                                                                 |
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|                                                                                     | 5032037018968<br>1                                                  |                                                                                                 |
|    | A1UBEZEL<br>917983<br>735858241120<br>5032037035873<br>1            | 1U locking bezel Accessory - with two branding clip-on inserts for logo, and one snap-on swoosh |
|    | AXXSATADVDR<br>M<br>906872<br>735858197663<br>5032037015127<br>1    | Slimline SATA DVDROM Device Accessory                                                           |
|  | AXXSATADVDRW<br>ROM<br>906873<br>735858197670<br>5032037015134<br>1 | Slim SATA DVD+/-RW ROM Accessory                                                                |
|  | AXX1U2UCMA<br>913117<br>735858224604<br>5032037019972<br>1          | Accessory Cable management arm for Premium 1U/2U rail kit (works only with AXXPRAIL)            |
|  | FXX25HSCAR<br>918807<br>735858241182<br>5032037035910<br>8          | 2.5" HDD hot swap carrier spares                                                                |

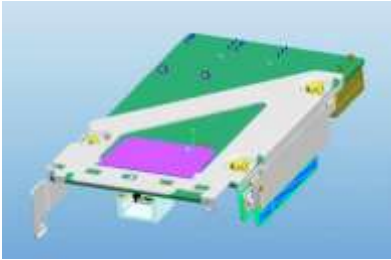
|                                                                                                       |                                                                                      |                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <p>FXX35HSADPB</p> <p>912771</p> <p>00735858219495</p> <p>5032037016391</p> <p>8</p> | <p>3.5" HDD hot swap carrier spares</p>                                                                                                                                                                                                    |
|                      | <p>AXXELVRAIL</p> <p>920970</p> <p>00735858244367</p> <p>5032037038980</p> <p>1</p>  | <p>Value Rail Kit, half extension, extended inner slide member</p>                                                                                                                                                                         |
|                     | <p>AXXPRAIL755</p> <p>922104</p> <p>735858249065</p> <p>5032037043724</p> <p>1</p>   | <p>Short 1U/2U Premium Rail Kit, no CMA support<br/>Full extension and toolless rail kit.<br/>Rail allows adjustment within 609.6mm~762mm to fit difference depth rack. Maximum extension when installed (travel distance) 755 mm</p>      |
|                    | <p>AXXPRAIL</p> <p>912797</p> <p>735858219686</p> <p>5032037014823</p> <p>1</p>      | <p>1U/2U Premium Rail Kit<br/>Full extension and toolless rail kit. Supports cable management arm. Rail allows adjustment within 609.6mm~762mm to fit difference depth rack. Maximum extension when installed (travel distance) 800 mm</p> |
|  <p>*Demo only</p> | <p>AXX2POSTBRCKT</p> <p>918808</p> <p>735858245319</p> <p>5032037039833</p> <p>1</p> | <p>Fixed mount bracket kit for 2-post racks</p>                                                                                                                                                                                            |

|                                                                                    |                                                                                    |                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p>FPWRCABLENA</p> <p>879287</p> <p>735858181129</p> <p>5032037015738</p> <p>1</p> | <p>North American Power Cord Spare</p>                                                                                                                                                                                                                                                                                      |
|   | <p>AXXRJ45DB93</p> <p>920430</p> <p>735858242820</p> <p>5032037037525</p> <p>1</p> | <p>Accessory Kit that allows connection to internal Serial port</p> <p>Kit of the following cables:</p> <ul style="list-style-type: none"> <li>1040mm Serial 10pin header to DB9 Cable</li> <li>520mm Serial 10pin header to DB9 Cable</li> <li>100mm DCD RJ45 to DB9 Cable</li> <li>100mm DSR RJ45 to DB9 Cable</li> </ul> |
|  | <p>F1UJPMKIT</p> <p>924117</p> <p>735858254991</p> <p>5032037047814</p> <p>1</p>   | <p>Chassis maintenance kit for R1000JP system</p> <p>Kit of the following items:</p> <ul style="list-style-type: none"> <li>I2C cable</li> <li>Front panel USB cable</li> <li>Front Video cable</li> <li>Front panel cable</li> <li>Screws</li> <li>2 Air Ducts</li> </ul>                                                  |

## 2.2 Dynamic Key Spares and Accessories

| Image                                                                                               | Product Code<br>MM<br>UPC<br>EAN<br>MOQ                                   | Description                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>*Demo only</p> | When no key installed:                                                    | 4 SATA channels active with SW RAID 'basic' which includes RSTe SW RAID 0/1/10/5 + LSI SW RAID 0/1/10                                                        |
|                                                                                                     | RKSATA4R5<br><br>916346<br><br>735858238861<br><br>5032037033640<br><br>5 | Intel® RAID C600 Upgrade Key RKSATA4R5 enables LSI SATA SW RAID 5, Black                                                                                     |
|                                                                                                     | RKSAS4<br><br>916349<br><br>735858238892<br><br>5032037033671<br><br>5    | Intel® RAID C600 Upgrade Key RKSAS4 activates 4 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI SW RAID 0/1/10, Green                         |
|                                                                                                     | RKSAS4R5<br><br>916350<br><br>735858238908<br><br>5032037033688<br><br>5  | Intel® RAID C600 Upgrade Key RKSAS4R5 activates 4 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI SW RAID 0/1/10/5 (enables LSI SWR5), Yellow |

## 2.3 Integrated 6Gb/s SAS:

| Image                                                                             | Product Code<br>MM<br>UPC<br>EAN<br>MOQ                                    | Description                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | A1UJP6GKIT<br><br>924115<br><br>735858254977<br><br>5032037047791<br><br>1 | <p>This accessory is used when adding 6G SAS module into Slot 2</p> <p>6Gb/s SAS kit accessories for R1000JP system, including rIOM riser for 6Gb/s SAS of Slot2, 6Gb/s SAS module RMS25LB080 and cables, dedicated NIC port for management.</p> <p><b>NOTE:</b> The AXXRMM4LITE is NOT included. It must be ordered seperately to enable advanced management features of BMC.</p> |
|  | RMS25LB080<br><br>924116<br><br>735858254984<br><br>5032037047807<br><br>1 | <p>Spare 6Gb/s SAS module with 8 internal ports using LSI 2308 controller.</p> <p><b>Note:</b> This module is included in the A1UJP6GKIT accessory above.</p>                                                                                                                                                                                                                      |

## 2.4 Expansion modules: I/O Module, SAS Module

| Image                                                                               | Product Code<br>MM<br>UPC<br>EAN<br>MOQ                                              | Description                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>AXX10GBNIAIOM</p> <p>917905</p> <p>735858241090</p> <p>5032037035842</p> <p>1</p> | <p>Dual SFP+ port 10GbE IO 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> <p><i>Notes: Need A1UJPRMM4IOM be pre-installed</i></p>                                                               |
|   | <p>AXX10GBTWLHW</p> <p>924136</p> <p>735858254038</p> <p>5032037047142</p> <p>1</p>  | <p>Dual RJ-45 port 10GBASE-T IO module, based on Intel® Ethernet Controller X540</p> <p>Includes three screws</p> <p><i>Notes: Need A1UJPRMM4IOM be pre-installed</i></p>                                                                                                                                                      |
|  | <p>AXX1FDRIBIOM</p> <p>918607</p> <p>735858241106</p> <p>5032037035859</p> <p>1</p>  | <p>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> <p>*Dual port shown on picture</p> <p><i>Notes: Need A1UJPRMM4IOM be pre-installed</i></p>                                                         |
|  | <p>AXX2FDRIBIOM</p> <p>920627</p> <p>735858245722</p> <p>5032037040235</p> <p>1</p>  | <p>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.</p> <p><i>Notes: Need A1UJPRMM4IOM be pre-installed</i></p> |

|                                                                                     |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
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|    | <p>AXX4P1GBPWL IOM</p> <p>917911</p> <p>735858241083</p> <p>5032037035835</p> <p>1</p>                                                                                                                                  | <p>Quad port 1GbE IO Module based on Intel® Ethernet Controller I350</p> <p><i>Notes: Need A1UJPRMM4IOM be pre-installed</i></p>                                                                                                                                           |
|   | <p>PCIe card: 8 ports</p> <p>RMS25KB080</p> <p>917089</p> <p>735858244831</p> <p>5032037039406</p> <p>1</p> <p>PCIe card: 4 ports</p> <p>RMS25KB040</p> <p>917090</p> <p>735858239035</p> <p>5032037033817</p> <p>1</p> | <p>Entry-raid SAS Module: internal SAS-2.1 version, Entry-level LSI IR-based RAID 0, 1, 1E/straight SAS Based on LSI2308.</p> <p>PCIe card form factor – compatible with all EPSD boards, requires PCIe x8 slot.</p>                                                       |
|  | <p>PCIe card: 8 ports</p> <p>RMS25PB080</p> <p>917056</p> <p>735858238946</p> <p>5032037033725</p> <p>1</p> <p>PCIe card: 4 ports</p> <p>RMS25PB040</p> <p>917078</p> <p>735858238953</p>                               | <p>HW RAID SAS Module: 4/8 port internal SAS-2.1 version, Full HW RAID, LSI MegaRAID-based Firmware, 1GB DDR3, 0,1,10,5,50,6,60 Supports Battery Backup Unit. Based on LSI2208.</p> <p>PCIe card form factor – compatible with all EPSD boards, requires PCIe x8 slot.</p> |

|                                                                                                     |                                                             |                                               |
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|                                                                                                     | 5032037033732<br>1                                          |                                               |
|  <p>*Demo only</p> | AXXRSBBU9<br>919738<br>00735858220286<br>5032037039567<br>1 | Intel® RAID Smart Battery AXXRSBBU9           |
|  <p>*Demo only</p> | AXXRMFBU2<br>919876<br>00735858244541<br>5032037039116<br>1 | Intel® RAID Maintenance Free Backup AXXRMFBU2 |

Service: On-site Repair, Extended Warranty

| Image                                                                               | Product Code<br>MM<br>MOQ | Description                                                                        |
|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|
|  | SVCEWUPSY<br>911293<br>1  | Two year extended warranty for Intel® Server Systems that support single processor |
|  | SVCEWUPBD<br>911292<br>1  | Two year extended warranty for Intel® Server Boards that support single processor  |
|                                                                                     |                           |                                                                                    |