Intel® Server Board S4600LH Product Family
Best in class performance, reliability and serviceability for HPC and Datacenter applications

The innovative Intel® Server System R2000LHZ/LTZ family delivers best in class serviceability features with uncompromising performance and high reliability as the server of choice for highly virtualized environments or demanding HPC applications requiring maximum performance density. It features support for four powerful Intel® Xeon® processors E5-4600 and a massive memory capacity of up to 1.5 terabytes via 48 memory sockets in a dense 2U rack system. Integrated dual 1GbE or 10GbE ports, six PCIe® Gen 3 x16 slots, plus two expansion slots for quad 1GbE, dual 10GbE, or Infiniband® modules provide the expandability and flexibility that enterprise-class customers expect. Over 150 onboard sensors feed the intelligent system-level management software with temperature, voltage, and other information to ensure maximum uptime and allow you to monitor overall system health and resources.

Supports
- Quad Intel® Xeon® processors E5-4600
- Up to 2 Intel® Xeon Phi™ coprocessors
- Maximum memory capacity with 48 LR/U/R-DIMMs for up to 1.5 TB of total capacity
- 6 PCIe® Gen3 x16 slots including 2 double-wide PCIe Gen3 cards
- 2 Intel® I/O Expansion Modules
- Integrated dual 1GbE or 10GbE Intel® Ethernet Controllers
- Intel® TXT Technology (TPM header on board)
- Intel® Remote Management Module 4 included with all systems
- Enterprise class cooling with 11 hot-swappable redundant 40mm dual Totor fans
- Efficient hot-pluggable 1600W redundant 80+ Platinum AC power supplies (DC power supply option available)
Maximum Memory and Performance

4 Intel® Xeon® processors E5-4600 with 48 DIMMs support up to 1.5 TB of addressable memory on 16 channels for incredible floating point performance

Enterprise Class Features

Best in class serviceability with custom designed chassis

Platinum efficiency power supplies

High RAS features

10 GbE SKU option

Intel® Server Board S4600LH Product Family Technical Specifications

<table>
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<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Form Factor</td>
<td>2U rack: 3.43&quot; x 17.24&quot; x 28&quot;</td>
</tr>
<tr>
<td>Server Board Included</td>
<td>S4600LH2: Integrated Dual Port Intel® Ethernet Controller I350 (1 GbE)</td>
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<tr>
<td></td>
<td>S4600LT2: Integrated Dual Port Intel® Ethernet Controller X540 (10 GbE)</td>
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<tr>
<td>Processors Supported</td>
<td>4 Intel® Xeon® processor E5 4600 product family, up to 130W</td>
</tr>
<tr>
<td></td>
<td>Up to 2 Intel® Xeon Phi™ coprocessors1</td>
</tr>
<tr>
<td>Total Slots</td>
<td>6 + 2</td>
</tr>
<tr>
<td>Slot Types</td>
<td>6 PCIe Express® 3.0 x16</td>
</tr>
<tr>
<td></td>
<td>2 PCIe Express 3.0 x8 via I/O expansion module</td>
</tr>
<tr>
<td>Memory Capacity</td>
<td>48 LR / U / DIMMs with 1333MT/s, 1600MT/s, ECC</td>
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<tr>
<td></td>
<td>1.5 TB max</td>
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<tr>
<td>Drive Options</td>
<td>8 x 2.5&quot; or 4 x 3.5&quot; hot-swap HDD</td>
</tr>
<tr>
<td>System Cooling</td>
<td>11 high speed hot-swap redundant 40mm dual rotor fans</td>
</tr>
<tr>
<td>Power Supply Options</td>
<td>1600W AC Redundant PSU (Platinum Efficiency) or 1600W DC Redundant PSU (Cold Efficiency)</td>
</tr>
<tr>
<td>Module Upgrades</td>
<td>Intel® I/O Module</td>
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<tr>
<td></td>
<td>Intel® Storage I/O Module in PCIe form factor</td>
</tr>
<tr>
<td></td>
<td>Intel® Remote Management Module 4 (included on all systems)</td>
</tr>
<tr>
<td></td>
<td>Intel® Trusted Platform Module</td>
</tr>
</tbody>
</table>

2U 2.5" Drives

- R2208LH2HKCZ
  - 8 x 2.5" hot-swap HDD
  - 2 x 1600W AC PSU
  - Software RAID Key RKSAS8RS to enable 8 SAS/SATA drives
  - Integrated Dual Port Intel® Ethernet Controller I350 (1 GbE)

- R2208LT2HKC4
  - 8 x 2.5" hot-swap HDD
  - 2 x 1600W AC PSU
  - Hardware RAID Controller RMS2566080 provides 6 Gb/s to enable 8 SAS/SATA drives
  - Integrated Dual Port Intel® Ethernet Controller X540 (10 GbE)

2U 3.5" Drives

- R2304LH2HKC
  - 4 x 3.5" fixed HDD
  - 2 x 1600W AC PSU
  - Integrated Dual Port Intel® Ethernet Controller I350 (1 GbE)

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Contact your Ace Account Representative to discuss the best options for warranty coverage, maintenance and post-warranty support. Ace offers custom solutions, including taking advantage of your local IT staff, to reach the lowest total cost of ownership in the industry.

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