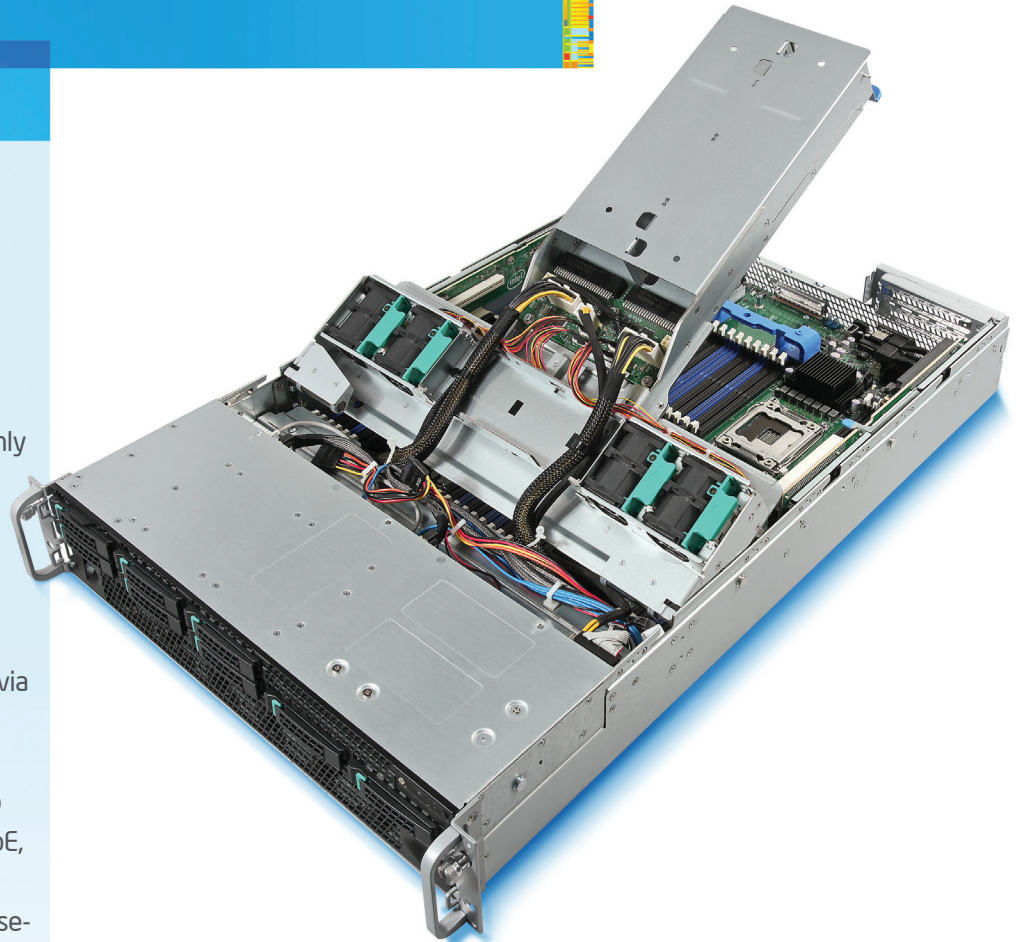


# Intel® Server Board S4600LH Product Family

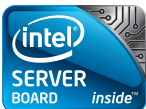
## Best in class performance, reliability and serviceability for HPC and Datacenter applications

The innovative Intel® Server System R2000LH2/LT2 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 rotor 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

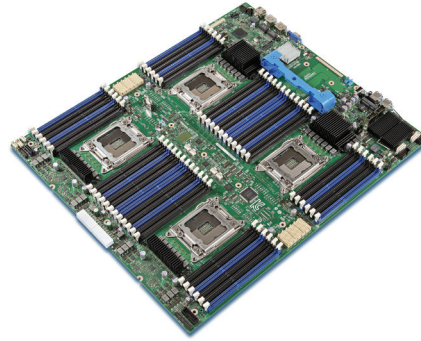
10 GbE SKU option

For more information on Intel server solutions visit: [intelserveredge.com](http://intelserveredge.com)

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For product specifications visit: [ark.intel.com](http://ark.intel.com)

For regulatory information visit: [intel.com/support/motherboards/server/sb/CS-032524.htm](http://intel.com/support/motherboards/server/sb/CS-032524.htm)



### Intel® Server Board S4600LH Product Family Technical Specifications

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

#### 2U 2.5" Drives

##### R2208LH2HKC2

8 x 2.5" hot-swap HDD  
2 x 1600W AC PSU  
Software RAID Key RKSAS8R5 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 RMS25PB080 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)

<sup>1</sup> Intel® Xeon Phi™ coprocessor support depends on the board and chassis configuration. See your sales representative for more details

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