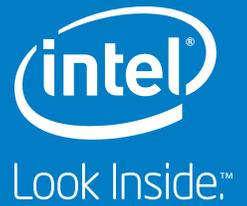


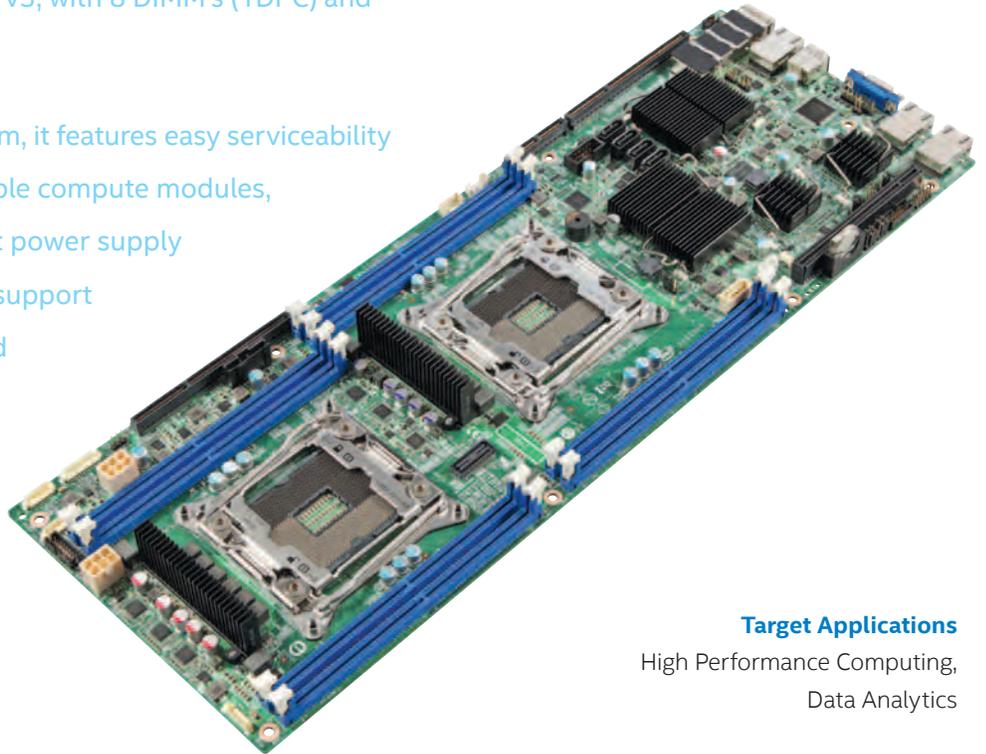
# Intel® Server Board S2600KP Product Family

Efficient, high-density solution with optimized memory performance for preferred value in high performance computing (HPC) deployments



The Intel® Server Board S2600KP is specifically designed for optimal memory performance in the HPC market. It features support for dual Intel® Xeon® processors E5-2600 v3, with 8 DIMM's (1DPC) and optional onboard FDR Infiniband\*.

Customizable as a 2U, four node system, it features easy serviceability and high availability with hot-swappable compute modules, 2.5" or 3.5" drive bays, and redundant power supply modules plus better I/O flexibility via support for Intel® I/O Modules, and an onboard dedicated management port.



## Target Applications

High Performance Computing,  
Data Analytics

## INTEL® SERVER BOARD S2600KP PRODUCT FAMILY

### FEATURES

Dual Intel® Xeon® processor E5-2600 v3 product family, 145W max TDP, 160 W for board only

Maximum TDP processor support for 3rd party solutions with custom water cooling design

8 DDR4 DIMM slots (1DPC), up to 128GB per DIMM, 1.0 TB total memory

3 risers, 64 I/O lanes available on the board, Connect IB FDR Infiniband\* onboard option

### BENEFITS

Fits up to 4 boards (8 sockets) in a 2U rack chassis for highly demanding distributed processing and intensive application workloads

Enables efficient computing performance

Memory bandwidth and capacity optimized for performance

High I/O capacity in a dense form factor board

## Technical Information

<b>Description</b>	A high density, half width form factor with dual Intel® Xeon® processors E5-2600 v3 support and 8 DIMMs per server board designed for efficient HPC environments
<b>Form Factor</b>	Board: custom (6.4" x 17.7") 2U rack: 3.5" drive model (17.24" x 30.35" x 3.42") 2.5" drive model (17.24" x 28.86" x 3.42")
<b>Compute Module Supported</b> Each chassis will support up to 4 compute modules	HNS2600KPR: 8 DIMM slots, 2 x 1GbE (RJ45) HNS2600KPFR: 8 DIMM slots, InfiniBand* FDR (56-Gb/s) , 2 x 1GbE (RJ45)
<b>Processors Supported</b>	Dual Intel® Xeon® processor E5-2600 v3 product family
<b>Total Slots</b>	3 Riser slots
<b>Slot Types</b>	PCI Express * x24 riser super slot, and PCI Express 3.0 x16 riser slot
<b>Memory Capacity</b>	4 x 8 DIMM slots supporting ECC DDR4 RDIMM and LRDIMM with 1333MT/s, 1600MT/s, 1866MT/s, and 2133MT/s speeds 1 TB max
<b>Drive Options</b>	16 or 24 x 2.5" or 12 x 3.5" hot-swap drives
<b>System Cooling</b>	Fixed cooling fans
<b>Power Supply Options</b>	1600W common redundant power supply (Platinum Efficiency)
<b>Storage Options</b> Hot-swap Drive Bays	12 x 3.5" 6Gbps SATA drives - or- 12Gbps SAS drives with optional SAS bridge board 16 x 2.5" 6Gbps SATA drives - or- 12Gbps SAS drives with optional SAS bridge board

## Available SKUs

Intel® Server Board S2600KP Product Family	Intel® Compute Module HNS2600KP Product Family	Intel® Server Chassis H2000G Product Family
S2600KPFR (w/ InfiniBand)	HNS2600KPFR (w/ InfiniBand)	H2312XXKR2
S2600KPR	HNS2600KPR	H2216XXKR2
S2600KPTR (w/ TPM)		



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

**Product does not include memory, processors, or hard drives. For compatibility information please refer to the configuration guide at [www.intel.com/support](http://www.intel.com/support)**

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