



## Product Brief

Intel® Workstation Board  
S5000XVN

# Intel® Workstation Board S5000XVN

## High-Performance Dual-Socket Delivers the Power of Multi-Core to the Demanding Workstation Environment



### Product Overview

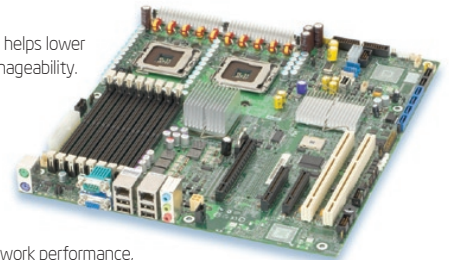
The Intel® Workstation Board S5000XVN provides incredible performance and memory capacity for demanding workstation operations. This workstation board is ideal for customers needing server-class performance and reliability, in addition to high-end graphics. The S5000XVN is acoustically optimized to minimize distractions in shared environments.

The S5000XVN has a greater number of high-performance PCI slots and support for next-generation enterprise-class SAS drives and high-capacity SATA drives. Increased memory capacity and bandwidth improve headroom for future growth and deliver the performance and flexibility growing businesses need for the future.

The Intel® Server Chassis SC5299WS workstation chassis was designed specifically for this board. This combination offers an ideal solution for workstation applications such as CAD, modeling, electronic design automation, and animation.

### Features and Benefits

- 64-bit Multi-core Intel® Xeon® processor improves performance and headroom, and provides scalability and system redundancy with multiple virtual applications.
- Eight fully buffered 533/667 MHz DIMMs increase capacity and performance.
- Three PCI Express\* slots provide expansion headroom for the future.
- Integrated server management helps lower costs by improving baseline manageability.
- Up to six SATA 3 Gb/s ports
- Optional 4-port SAS supports next-generation enterprise-class SAS drives or lower-cost SATA drives.
- Dual Gb Ethernet increases network performance, with lower processor overhead.<sup>1</sup>



## Intel® Workstation Board S5000XVN Specifications

	S5000XVNSASR (SAS)	S5000XVNSATAR (SATA)
<b>Product Code</b>	Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299WS	Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299WS
<b>Intel® Server Chassis Support</b>		
<b>Processor Support<sup>2</sup></b>	Multi-core Intel® Xeon® Processor	Multi-core Intel® Xeon® Processor
<b>Number of Processors Supported</b>	2	2
<b>System Bus Speed</b>	667 MHz, 1066 MHz, or 1333 MHz <sup>3</sup>	667 MHz, 1066 MHz, or 1333 MHz <sup>3</sup>
<b>Chipset</b>	Intel® Chipset 5000X	Intel® Chipset 5000X
<b>Independent PCI Buses</b>	6	5
<b>Total Slots</b>	5	5
<b>Slot Types</b>	1 x PCI Express* x16 2 x PCI Express x4 (x8 Connectors) 1 x PCI-X 100/133 MHz 1 x PCI-X 100 MHz	1 x PCI Express* x16 2 x PCI Express x4 (x8 Connectors) 1 x PCI-X 100/133 MHz 1 x PCI-X 100 MHz
<b>Memory Capacity</b>	32GB ECC FBDIMMs (8 DIMMs)	32GB ECC FBDIMMs (8 DIMMs)
<b>Integrated SCSI</b>	Not Available	Not Available
<b>Integrated ATA</b>	One channel supporting up to two IDE devices	One channel supporting up to two IDE devices
<b>Integrated Serial ATA</b>	Two SATA 3Gb/s ports with RAID 0, 1, and 10	Six 3Gb/s SATA ports supporting RAID 0, 1, 10 with optional AXXRAKSw5 for RAID 5 <sup>4</sup>
<b>SAS</b>	4-port SAS with Intel® Embedded RAID Technology II providing RAID 0, 1, 10 and optional AXXRAKSw5 for RAID 5 <sup>4</sup>	Not available
<b>Integrated LAN</b>	2 x Intel Gigabit Ethernet connections	2 x Intel Gigabit Ethernet connections
<b>Integrated Audio</b>	2 channel high definition audio	2 channel high definition audio
<b>Server Management Support</b>	Intel® System Management Software and Intel Remote Management Utilities	Intel® System Management Software and Intel Remote Management Utilities
<b>Intel® RAID Support</b>	Intel® Embedded Server RAID Technology II provides RAID 0, 1, 10 with optional AXXRAKSw5 for RAID 5 <sup>4</sup> . Refer to <a href="http://support.intel.com/support/motherboards/server/compat_matrix.htm">http://support.intel.com/support/motherboards/server/compat_matrix.htm</a> for up-to-date details on RAID controllers supported by each server board.	Intel® Embedded Server RAID Technology II provides RAID 0, 1, 10 with optional AXXRAKSw5 for RAID 5 <sup>4</sup> . Refer to <a href="http://support.intel.com/support/motherboards/server/compat_matrix.htm">http://support.intel.com/support/motherboards/server/compat_matrix.htm</a> for up-to-date details on RAID controllers supported by each server board.

To build your system and get more details on server configurations from Intel visit: [www.intel.com/go/serverconfigurator](http://www.intel.com/go/serverconfigurator)

For more details on the Intel® Workstation Board S5000XVN visit: [www.intel.com/design/servers/boards/s5000XVN/index.htm](http://www.intel.com/design/servers/boards/s5000XVN/index.htm)

For more information on how to make the Intel® Workstation Board S5000XVN part of your server environment, please contact an Intel® Channel Partner Program participant.

<sup>1</sup> Requires OS and driver support.

<sup>2</sup> Refer to <http://support.intel.com/support/motherboards/server/s5000xvn> for up-to-date details on processors supported by each server board.

<sup>3</sup> 1333 MHz support may require updates that may not be available at launch.

<sup>4</sup> Support enabled by installing the AXXRAKSw5 may not be available at launch.

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