

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

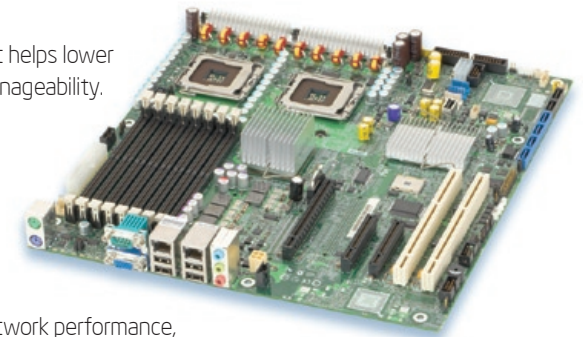
The Intel® Workstation Board S5000XVN provides incredible performance and memory capacity for demanding workstation operations. This workstation board is ideal for customers needing server-class performance and reliability, in addition to high-end graphics. The S5000XVN is acoustically optimized to minimize 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.¹



Intel® Workstation Board S5000XVN Specifications

	S5000XVNSASR (SAS)	S5000XVNSATAR (SATA)
Product Code	Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299WS	Intel® Server Chassis SC5400 Base Intel® Entry Server Chassis SC5299WS
Intel® Server Chassis Support		
Processor Support²	Multi-core Intel® Xeon® Processor	Multi-core Intel® Xeon® Processor
Number of Processors Supported	2	2
System Bus Speed	667 MHz, 1066 MHz, or 1333 MHz ³	667 MHz, 1066 MHz, or 1333 MHz ³
Chipset	Intel® Chipset 5000X	Intel® Chipset 5000X
Independent PCI Buses	6	5
Total Slots	5	5
Slot Types	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
Memory Capacity	32GB ECC FBDIMMs (8 DIMMs)	32GB ECC FBDIMMs (8 DIMMs)
Integrated SCSI	Not Available	Not Available
Integrated ATA	One channel supporting up to two IDE devices	One channel supporting up to two IDE devices
Integrated Serial ATA	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 ⁴
SAS	4-port SAS with Intel® Embedded RAID Technology II providing RAID 0, 1, 10 and optional AXXRAKSw5 for RAID 5 ⁴	Not available
Integrated LAN	2 x Intel Gigabit Ethernet connections	2 x Intel Gigabit Ethernet connections
Integrated Audio	2 channel high definition audio	2 channel high definition audio
Server Management Support	Intel® System Management Software and Intel Remote Management Utilities	Intel® System Management Software and Intel Remote Management Utilities
Intel® RAID Support	Intel® Embedded Server RAID Technology II provides RAID 0, 1, 10 with optional AXXRAKSw5 for RAID 5 ⁴ . Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm 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 ⁴ . Refer to http://support.intel.com/support/motherboards/server/compat_matrix.htm 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

For more details on the Intel® Workstation Board S5000XVN visit: 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.

¹ Requires OS and driver support.

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

³ 1333 MHz support may require updates that may not be available at launch.

⁴ Support enabled by installing the AXXRAKSw5 may not be available at launch.

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