

Product Brief

Intel® Entry Server Board
S3200SH

Intel® Entry Server Board S3200SH

Entry Server Board with Essential Server-Class Features



Product Overview

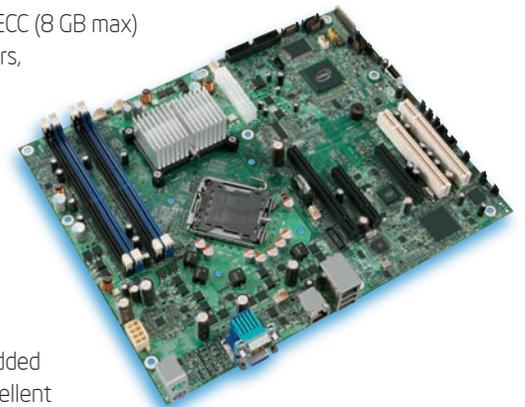
Growing businesses need a trusted server solution for database, file, or messaging applications. A general-purpose entry server platform plays a fundamental role in the success of a workgroup, department, or small- to medium-sized business. The Intel® Entry Server Board S3200SH is ideal for customers who need server-class performance but don't want to sacrifice effectiveness or reliability.

The Intel Entry Server Board S3200SH features an IPMI 2.0 compliant baseboard management controller and supports the Multi-Core Intel® Xeon® Processor with a 1333 MHz system bus and the Intel® 3200/3210 server chipset, which are essential for powering entry-level server solutions. Other performance advantages include support for up to 8 GB of DDR2 SDRAM and PCI Express* I/O interconnect technology.

To enhance availability and manageability, the Intel® Entry Server Board S3200SH supports Intel® System Management Software and Microsoft* System Center Essentials*. In addition, this server board is compatible with the Intel® Entry Server Chassis SC5299UP which supports optional hot swap SAS or SATA drives.

Features and Benefits

- Multi-Core Intel® Xeon® Processor based on Intel® Core™ microarchitecture delivers world-class performance as well as superior energy/power efficiency.
- Intel® 3200/3210 server chipset provides enterprise performance and reliability.
- Dual memory channel, four DIMM slots for DDR2 667/800 MHz unbuffered ECC/non-ECC (8 GB max) automatically corrects single-bit errors, which may improve system uptime.
- Single or dual Intel® Gigabit Ethernet connections provide ample network bandwidth.¹
- IPMI 2.0 enables out-of-band capabilities for monitoring hardware and software status regardless of operating system or power state.
- 6 SATA ports at 3.0Gbps with embedded RAID 0, 1, 5, and 10 allowing for excellent data protection at no extra cost.



Board Specifications

Product Order Code	Intel® Server Board S3210SHLX	Intel® Server Board S3210SHLC	Intel® Server Board S3200SHV
Intel® Server Chassis and Platform Support ²	Intel® Server Chassis SC5299UP	Intel® Server Chassis SC5299UP	Intel® Server Chassis SC5299UP
Processor Support ³	Multi-Core Intel® Xeon® Processor 3200 and 3000 series Intel® Core™2 Quad desktop processors Intel® Core™2 Duo desktop processors	Multi-Core Intel® Xeon® Processor 3200 and 3000 series Intel® Core™2 Quad desktop processors Intel® Core™2 Duo desktop processors	Multi-Core Intel® Xeon® Processor 3200 and 3000 series Intel® Core™2 Quad desktop processors Intel® Core™2 Duo desktop processors
Number of Processors Supported	1	1	1
System Bus Speed	800/1066/1333 MHz	800/1066/1333 MHz	800/1066/1333 MHz
Chipset	Intel® 3210 Server Chipset with PXH-V	Intel® 3210 Server Chipset	Intel® 3200 Server Chipset
PCI Buses	6	5	4
Total Slots	5	5	4
Slot Types	One PCI Express* x 16 One PCI Express* x 8 Two PCI-X 64-bit/133 MHz One PCI 32-bit/33 MHz	One PCI Express* x 8 One PCI Express* x 8 One PCI Express* x 4 Two PCI 32-bit/33 MHz	One PCI Express* x 8 One PCI Express* x 4 Two PCI 32-bit/33 MHz
Memory Capacity	Dual memory channel, four DIMM slots for DDR2 667/800 MHz Unbuffered ECC/non-ECC DIMMs (8 GB max)	Dual memory channel, four DIMM slots for DDR2 667/800 MHz Unbuffered ECC/non-ECC DIMMs (8 GB max)	Dual memory channel, four DIMM slots for DDR2 667/800 MHz Unbuffered ECC/non-ECC DIMMs (8 GB max)
Integrated ATA	N/A	N/A	N/A
Integrated Serial ATA	Six SATA ports at 3.0 Gb/s	Six SATA ports at 3.0 Gb/s	Six SATA ports at 3.0 Gb/s
Integrated LAN	Two Intel® Gigabit Ethernet connections	Two Intel® Gigabit Ethernet connections	One Intel® Gigabit Ethernet connection
Integrated Graphics	Yes—with 32 MB memory	Yes—with 32 MB memory	Yes—with 32 MB memory
Server Management Support	Intel® System Management Software 2.0	Intel® System Management Software 2.0	Intel® System Management Software 2.0
Intel® RAID Support ⁴	RAID 0,1,5,10	RAID 0,1,5,10	RAID 0,1,5,10

To build your system and get more details on server configurations from Intel visit www.intel.com/go/serverconfigurator

For more information on the Intel® Server Board S3200SH visit www.intel.com/design/servers/boards/S3200SH/index.htm

For more information on Intel® Server Products visit www.intel.com/go/serverproducts

¹ Single Gigabit Ethernet connection is available on board S3200SHV only. Board S3210SHLX and S3210SHLC have dual connection capabilities.

² Intel Server System SR1530SH/SR1530HSH is integrated with board BSHBBL.

³ Refer to <http://support.intel.com/support/motherboards/server> for up-to-date details on processors supported by each server board.

⁴ Includes support for Intel® Matrix Storage Technology (RAID 0, 1, 5, 10 for Microsoft OS) or Intel Embedded RAID Technology 2 (RAID 0, 1, 10 for multiple OS).

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