Product Brief

**Intel® Entry Server Board
S3000AH**

Intel® Entry Server Board S3000AH
Entry Server Board with Essential Server-Class Features
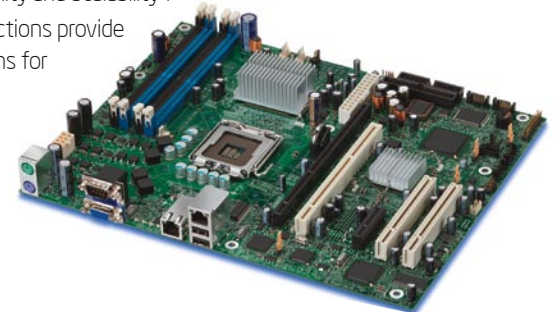

Product Overview

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 S3000AH is ideal for customers needing server-class performance, without sacrificing cost-effectiveness or reliability.

The Intel® Entry Server Board S3000AH supports the Multi-Core Intel® Xeon® Processor with a 1066 MHz system bus and the Intel® 3000 server chipset, which are essential for powering entry-level server solutions. Other performance advantages include support for up to 8 GB DDR2 SDRAM and the next-generation PCI Express* I/O interconnect technology.

To enhance availability and manageability, the Intel® Entry Server Board S3000AH supports the Intel® Server Management software and utilities. In addition, this server board is compatible with the Intel® Entry Server Chassis SC5295UP.

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® 3000 server chipset provides enterprise performance and reliability.
- Dual memory-channel, four DIMM slots for DDR2 533/667 MHz unbuffered ECC/non-ECC (8 GB Max) automatically corrects single-bit errors, which may improve system uptime.
- Intel® Adaptive Slot Technology supports PCI Express*, PCI-X multiple I/O configurations, flexibility and Scalability[1].
- Single or dual Gigabit Ethernet connections provide ample network bandwidth with options for separate subnets[2].
- Intel® Active Management Technology enables basic out-of-band capabilities for monitoring hardware and software status regardless of OS or power state[3].
- Four SATA ports at 3.0 Gb/s..

Board Specifications

Board	Intel® Server Board S3000AHLX	Intel® Server Board S3000AH	Intel® Server Board S3000AHV
Intel® Server Chassis and Platform Support	Intel® Server Chassis SC5295UP Intel® Server Platform SR1530AHLX Intel® Server Platform SR1530HAHLX	Intel® Server Chassis SC5295UP Intel® Server Platform SR1530AH	Intel® Server Chassis SC5295UP
Processor Support[4]	Multi-Core Intel® Xeon® Processor Intel® Pentium® D Processor Intel® Pentium® Processor Extreme Edition Intel® Pentium® 4 Processor Intel® Celeron® D Processor	Multi-Core Intel® Xeon® Processor Intel® Pentium® D Processor Intel® Pentium® Processor Extreme Edition Intel® Pentium® 4 Processor Intel® Celeron® D Processor	Multi-Core Intel® Xeon® Processor Intel® Pentium® D Processor Intel® Pentium® 4 Processor Intel® Celeron® D Processor
Number of Processors Supported	1	1	1
System Bus Speed	800/1066 MHz	800/1066 MHz	800/1066 MHz
Chipset	Intel® 3000 Server Chipset	Intel® 3000 Server Chipset	Intel® 3000 Server Chipset
PCI Buses	6	5	4
Total Slots	5	5	4
Slot Types	One PCI Express* x 1 One PCI-X 64-bit/133 MHz Two PCI 32-bit/33 MHz One Intel® Adaptive Slot Supporting PCI Express* x 8 or PCI-X 64-bit/133 MHz	One PCI Express* x 1 One PCI Express* x 4 One PCI Express* x 8 Two PCI 32-bit/33 MHz	One PCI Express* x 4 One PCI Express* x 8 Two PCI 32-bit/33 MHz
Memory Capacity	Dual memory-channel, four DIMM slots for DDR2 533/667 MHz Unbuffered ECC/non-ECC DIMMs (8 GB Max)	Dual memory-channel, four DIMM slots for DDR2 533/667 MHz Unbuffered ECC/non-ECC DIMMs (8 GB Max)	Dual memory-channel, four DIMM slots for DDR2 533/667 MHz Unbuffered ECC/non-ECC DIMMs (8 GB Max)
Integrated ATA	One channel supporting up to two IDE devices	One channel supporting up to two IDE devices	One channel supporting up to two IDE devices
Integrated Serial ATA	Four SATA ports at 3.0 Gb/s	Four SATA ports at 3.0 Gb/s	Four SATA ports at 3.0 Gb/s
Integrated LAN	Two Intel® Gigabit Ethernet connections with iAMT support	Two Intel® Gigabit Ethernet connections	One Intel® Gigabit Ethernet connection
Integrated Graphics	ATI* ES1000 with 16 MB memory	ATI* ES1000 with 16 MB memory	ATI* ES1000 with 16 MB memory
Server Management Support	Intel® System Management Software 1.5	Intel® System Management Software 1.5	Intel® System Management Software 1.5
Intel® RAID Support[5]	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 S3000AH visit www.intel.com/design/servers/boards/s3000ah/index.htm
For more information on Intel® Server Products visit www.intel.com/go/serverproducts

[1] Intel® Adaptive Slot technology is available on board S3000AHLX only.
[2] Single Gigabit Ethernet connection is available on board S3000AHV only. Board S3000AHLX and S3000AH have dual connection capabilities.
[3] Intel® Active Management Technology is available on board S3000AHLX only.
[4] Refer to http://support.intel.com/support/motherboards/server for up-to-date details on processors supported by each server board.
[5] Intel® Embedded Server RAID Technology supports RAID 0,1,10 and Intel® Matrix Storage Technology supports RAID 0,1,5,10.

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