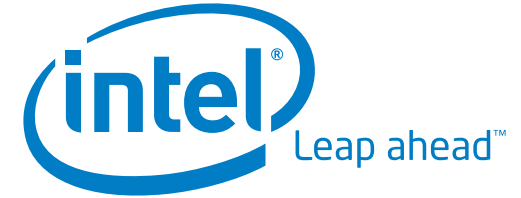


Intel® Server Board X38ML

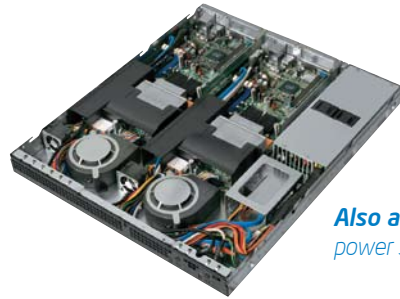
Intel® Server Board X38ML

For applications requiring high compute density, exceptional performance-per-watt, and reduced footprint



Intended Use

- High Performance Computing (HPC) clusters
- High-density, distributed servers for Web and application hosting
- Small form factor appliances
- Network-attached storage devices
- Desk-side clusters and personal supercomputers



Also available: Intel® Server System SR1520ML with 600W high-efficiency power supply, two boards, two heat sinks, and two risers included

Features and Benefits

- Small form factor (5.95" x 1.3") enables two independent boards in a 1U chassis or adds flexibility to create compact single board system designs.
- Supports the leading processors including Intel's new Dual-Core Intel® Xeon® Processor 3200 Series, based on Intel® Core™ microarchitecture, which delivers world-class performance and superior power efficiency.
- Supports IPMI 2.0 for advanced management capabilities.
- Four SATA 3.0 Gbps ports for fast access to internal storage devices.
- Dual Gigabit Ethernet improves data throughput for I/O-intensive applications.

Board Specifications

Processor Support

Intel® Core™2 Duo processor
Intel® Core™2 Quad processor
Intel® Core™2 Extreme dual-core processor
Intel® Core™2 Extreme quad-core processor
Quad-Core Intel® Xeon® processor 3200 series
Dual-Core Intel® Xeon® processor 3000 series

See supported CPU page at support.intel.com for complete list of processors

System Bus Speed

1333 / 1066 / 800 MHz (processor-dependent)

Chipset

Intel® X38 Express Chipset

I/O Expansion

One PCI Express* 2.0 x 16 connector / x 16 lane

Memory Capacity

Four DIMM slots supporting up to 8 GB max DDR2 667 / 800 MHz Un-Buffered ECC memory (larger memory footprint may be supported when larger DIMMs are available)

Integrated Video

32 MB memory (shared between video and server management)

Storage

Four SATA 3.0 Gbps ports

LAN

Dual GbE

Intel® RAID Support

Intel® Embedded SATA RAID supports RAID levels 0, 1, 10

Server Management Support

IPMI 2.0 through integrated BMC

Intel® Server Chassis Support

See complete list of third-party reference chassis on product Web page

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For more details on the Intel® Server Board X38ML visit:

www.intel.com/design/servers/boards/X38ML/index.htm

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