

Feature	Benefit
Dual-Core Intel® Xeon® processor 5100 series 1.60 GHz to 2.66 GHz, 4 MB L2 cache with 1066 or 1333 MHz front side bus	Bandwidth and processing performance to meet the demanding requirements of departmental workloads
Intel® 5000P chipset with support for up to 16 GB memory, and two-way interleaved FB DIMM	Maximizes use of Intel® Core™ microarchitecture to deliver world-class performance for peak server workloads
Dual 1 Gigabit Ethernet channels	Ethernet I/O for demanding, data-intensive applications; TCP/IP Offload Engine (TOE) capable
Two small form factor (SFF) Serial Attached SCSI (SAS) hard disk drive bays with redundant array of inexpensive disk RAID 0 and RAID 1 technology	Simplifies cabling requirements and provides greater scalability, performance, and reliability
Three-year limited warranty	Peace of mind

Product Specifications

Specifications

Processor Support	Two Dual-Core Intel® Xeon® processors 1.60 GHz, 1.86 GHz, 2.0 GHz, 2.33 GHz, 2.66 GHz; 4 MB L2 cache with 1066 or 1333 MHz front side bus						
Memory	<table border="1"> <tbody> <tr> <td>Memory capacity:</td> <td>Support for 1 GB to 16 GB, up to 32 GB with optional I/O and Memory Expansion Module</td> </tr> <tr> <td>DIMM sizes:</td> <td>512 MB, 1 GB, 2 GB, 4 GB</td> </tr> <tr> <td>Memory type:</td> <td>Two-way interleaved, DDR2 ECC fully buffered DIMM. Four-way interleaved with optional I/O and Memory Expansion Module</td> </tr> </tbody> </table>	Memory capacity:	Support for 1 GB to 16 GB, up to 32 GB with optional I/O and Memory Expansion Module	DIMM sizes:	512 MB, 1 GB, 2 GB, 4 GB	Memory type:	Two-way interleaved, DDR2 ECC fully buffered DIMM. Four-way interleaved with optional I/O and Memory Expansion Module
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Drives	Support for up to two internal 2.5-inch Serial Attached SCSI (SAS) hard disk drives, and three hot swap 2.5-inch SAS hard drives and RAID 5 support with optional Blade Storage Expansion Module						
Integrated Functions	<p>Two onboard Gigabit Ethernet controllers support teaming, failover, Wake on LAN, Serial over LAN (SOL), and TCP/IP Offload Engine (TOE); optional I/O and Memory Expansion Module has an additional Gigabit Ethernet controller with two Ethernet ports.</p> <p>ATI RN-50 video controller</p> <p>Local service processor provides interface for communication with the Intel® Server Blade Chassis and the management module</p> <p>Light-guided diagnostics (LED lights indicate failing component); embedded diagnostics</p> <p>USB buses for communication with keyboard, mouse, disk drive, and CD-ROM drive¹</p> <p>Intel® 5000P chipset</p>						

¹The operating system in the blade server must provide USB support for the blade server to recognize and use the keyboard, mouse, CD-ROM drive, and disk drive. The Intel® Server Chassis SBCE unit uses USB for internal communications with these devices.