

Server 1U Rack - SAS/SATA-II Hot-Swap

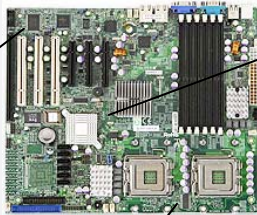


Tangent servers are award winning designs that will provide your organization with years of trouble free operation.

Pillar 5110i Motherboard:

6 Memory Sockets with 677MHz ECC FB-DIMM Memory

Integrated XGI Z9 Graphics with 32MB



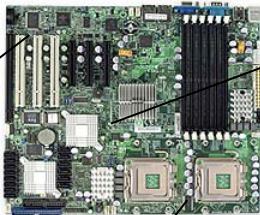
Intel 5100P Chipset

Up to Two Quad-Core 5400 Series or Dual-Core 5100 Series Processors

Pillar 5110s Motherboard:

6 Memory Sockets with 677MHz ECC FB-DIMM Memory

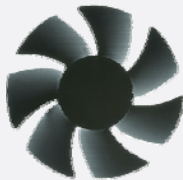
Integrated XGI Z9 Graphics with 32MB



Intel 5100P Chipset

Up to Two Quad-Core 5400 Series or Dual-Core 5100 Series Processors

Server Management:



Optional Intelligent Platform Management Interface enables out-of-band capabilities for monitoring hardware and software regardless of operating system or power state.



Powerful, Flexible, Energy Efficient

The Pillar 5110 Series offer excellent CPU performance per watt, optional lights-out system management, unprecedented storage and Input/Output (I/O) flexibility. The performance, scalability and reliability make it ideal for use in a web server, distributed database or virtualization solution with applications such as VMware® or Virtual Iron®.

DEPLOY leading system performance per watt

Utilizing up to two Next-Generation Intel® Xeon® Quad-Core 5300 Series or Dual-Core 5100 Series Processors with 2 x 4MB or 4MB Unified Cache, Enhanced Intel Speed-Step technology, Extended Memory 64 Technology. These features allow the Pillar 5110 Series to operate at much higher speeds with lower power consumption in much safer thermal environments, than the traditional server.

Keep MISSION-CRITICAL data accessible

High Reliability and Enterprise-Class Availability Features, including Dual CPUs; Four Redundant Cooling Fans; Four Hot-Swap Hard Drives; Dual Integrated Network Interfaces (NICs).

Monitor health status and minimize downtime

Pillar 5110 Series with Enhanced Manageability, including optional Integrated IPMI 2.0 Baseboard Management Controller (BMC), a Fully Instrumented Chassis to Provide System Health Status to Tangent System Manager Software, and Optional Remote KVM Capabilities with media redirect for Total Server Control from any Web-Enabled Location.

Virtualization in a snap

The features supported by the Pillar 5110 Series include Intel Virtualization Technology, Intel® I/O Acceleration Technology (Intel® I/OAT), Increasing manageability, security, and flexibility in IT environments, virtualization technologies like hardware-assisted Intel® Virtualization Technology (Intel® VT) combined with software-based virtualization solutions provide maximum system utilization by consolidating multiple environments into a single server or PC. By abstracting the software away from the underlying hardware, a world of new usage models opens up that reduce costs, increase management efficiency, strengthen security, while making your computing infrastructure more resilient in the event of a disaster.

Network Planning Services

Tangent Field Systems Engineers will work with you to design an optimal, secure configuration of hardware, software and services — tailored specifically to your requirements.

Custom Integration Services

Reduce your IT workload by letting Tangent build your server according to your exact specifications — including server operating systems and hardware components.



Pillar 5110 Series Specifications:

Processor Options	Supports Dual Intel® 64-bit Xeon LGA 771 Quad Core/Dual Core 5400/5300/5200/5100
Chipset	Intel 5100
Memory Options	Up to 48GB 533MHz/667MHz ECC registered DDR2 SDRAM memory in six DIMM slots
Integrated Drive Controller	5110i : ICH9R SB SATA II 5110s : LSI1068E SAS RAID 0, 5, 1, 10
Drive Bays	5110i : Four Hot-Swap SATA II 5110s : Four Hot-Swap SAS
Hard Drive Options	5110i : Up to 1 TB SATA II 5110s : Up to 1.5 TB SAS
Optical Drives	Slim DVD-ROM Drive
Connectivity	Intel 82573 dual port 10/100/1000 (Gigabit) Ethernet Network Interfaces (Nics)
Graphics	32MB XGI Z9 graphic controller
Expansion Slots	One PCIe (x8) full-height, half-length slot
External Ports	One Fast UART 16550 serial port Two RJ-45 Gbit LAN ports Four USB ports (2 x rear, 2 front) One VGA port Two PS/2 ports (keyboard/mouse)
Power Supply	520W w/PFC cold-swap power supply Auto-switching 100/240 AC power
Certified Operating Systems	Microsoft® Windows® Server 2003 and 2008 family of products, Red Hat EL 5, SuSE Linux 10.x
Server Management	Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Stdbby, +5 Stdbby, VBAT, HT, Memory, and Chipset CPU thermal trip support Monitoring for CPU and chassis environment CPU / System Overheat LED Chassis intrusion detection Optional AOC-SIMLC
System BIOS	8MB Flash EEPROM with Phoenix® BIOS DMI 2.3 PCI 2.2 ACPI 1.0/2.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.3
Case Dimensions	1U—17.2" W x 19.8" D x 1.7" H Weight: 31 lb gross
Chassis Cooling	Four 4 cm 12,500 RPM fans
Limited Warranty	3-year parts and labor

RECOMMENDED UPGRADES

Intel Xeon Processor



Turn your server into a calculation power house by with Quad Core Intel Xeon processors.

Remote Server Management



Use the AOC-SIMLC to control and monitor your hardware from any remote location.

Notes:

Pillar 5110 Servers support only registered ECC memory. Non-ECC or unbuffered memories are not supported. Two-way interleaved memory banks (must use a pair of DIMMs) .

