

Server Tower/4U Rack SAS Hot-Swap



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

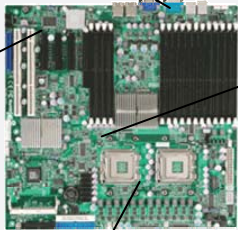
Inside View:



Pillar 5440s Motherboard:

16 Memory Sockets with 677MHz ECC FB-DIMM Memory

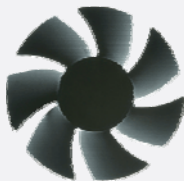
Integrated ATI ES1000 Graphics with 32MB



Intel 5400 Chipset

Up to Two Quad-Core 5300/5400 Series or Dual-Core 5100/5200 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.



Rock-Solid Foundation

Pillar 5440s is a flexible tower server (rack mounting-optional) with essential availability features that offer a versatile, dependable backbone for expanding businesses and dedicated work-groups. Pillar 5440s offers excellent CPU performance per watt, optional lights-out system management, unprecedented storage and Input/Output (I/O) flexibility. Expandability and versatility make the 5440s an ideal purpose-built, application server or general-use, workhorse server in organizations of all sizes. The performance, scalability and reliability make it ideal for use in 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 5400/5300 Series or Dual-Core 5200/5100 Series Processors with 2 x 4MB or 4MB Unified Cache, Enhanced Intel Speed-Step technology, Extended Memory 64 Technology. These features allow the Pillar 5440s 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; Three Redundant Cooling Fans; Two Rear Exhaust Fans; Eight Hot-Swap Hard Drives; Dual Integrated Network Interfaces (NICs); Multiple RAID Array Configurations and Standard Redundant Power Supplies.

Monitor health status and minimize downtime

Pillar 5440s 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 Pillar 5440s 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 5440s Specifications:

Processor Options	Supports Dual Intel® 64-bit Xeon LGA 771 Quad Core/Dual Core 5400/5300/5200/5100
Chipset	Intel 5400
Memory Options	Up to 128GB 533Mhz/667Mhz/800Mhz ECC DDR2 FB-DIMM memory in sixteen DIMM slots
Drive Controller	8 Channel SAS RAID w/256MB Cache RAID 0, 1, 5, and 10
Drive Bays	Eight Hot-Swap SAS drives
Hard Drive Options	Up to 1.0 TB
Optical Drives	DVD-ROM Drive
Connectivity	Intel 82575EB dual port 10/100/1000 (Gigabit) Ethernet Network Interfaces (Nics)
Graphics	32MB ATI ES1000 graphic controller
Expansion Slots	3 Profile (x8) PCI-Express (2 w/ Gen 2.0) 1 Profile (x4) PCI-Express, 2 Profile 64-bit 133MHz PCI-X 1 UIO 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	800W (1 + 1) Redundant high-efficiency power supply w/ PFC 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 IPMI 2.0 w/ Virtual Media + KVM Over LAN
System BIOS	8MB Flash EEPROM with Phoenix® BIOS DMI 2.3 PCI 2.2 ACPI 1.0/2.0 USB Keyboard support SMBIOS 2.3
Case Dimensions	Tower: 17.2" W x 25.5" D x 7.0" H Weight: 63 lb gross Optional: Rack Mount rails
Chassis Cooling	3x 5000 RPM Hot-Swappable Cooling Fans 2x 5000 RPM Hot-Swappable Rear Exhaust 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-SIMSO+ to control and monitor your hardware from any remote location.

Notes:

Pillar 5440s supports FB-DIMM ECC memory. Non-ECC or unbuffered memories are not supported. Two-way interleaved memory banks (must use a pair of DIMMs) .

