

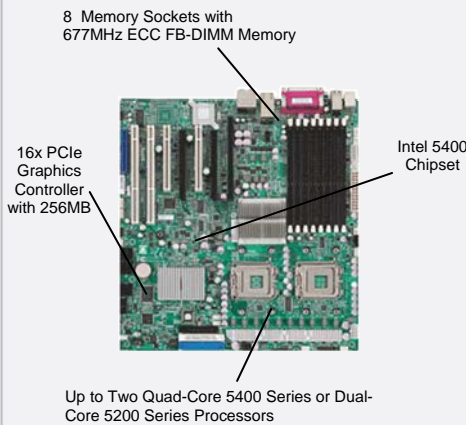


Tangent servers are award winning designs that will provide your organization with years of trouble free operation.

Inside View:



Pillar 5440i Motherboard:



### Rock-Solid Foundation

The Pillar 5440i is a flexible tower server with essential availability features that offer a versatile, dependable backbone for expanding businesses and dedicated workgroups. The Pillar 5440i Server offers excellent CPU performance per watt, optional lights-out system management, unprecedented storage and Input/Output (I/O) flexibility. Expandability and versatility make the 5440i 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 5440i server 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; Six 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 5440i** 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 5440i 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.

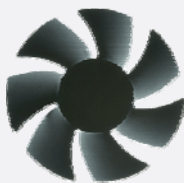
#### Network Planning Services

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.

Server Management:



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



## Pillar 5440i Specifications:

<b>Processor Options</b>	Supports Dual Intel® 64-bit Xeon LGA 771 Quad Core/Dual Core 5400/5300/5200/5100
<b>Chipset</b>	Intel 5400
<b>Memory Options</b>	Up to 64GB 533Mhz/667Mhz/800Mhz ECC DDR2 FB-DIMM memory in eight DIMM slots
<b>Drive Controller</b>	Intel ESB2 SATA 3.0Gbps Controller RAID 0, 1, 5, 10 support (Windows only)
<b>Drive Bays</b>	Six supported Hot-Swap SATA II
<b>Hard Drive Options</b>	Up to 1.5 TB
<b>Optical Drives</b>	DVD-ROM Drive
<b>Connectivity</b>	Intel 82575EB dual port 10/100/1000 (Gigabit) Ethernet Network Interfaces (NICs)
<b>Graphics</b>	16x PCIe graphic controller w/ 256MB memory
<b>Expansion Slots</b>	2 (x16) PCI-Express 2.0, 2x 64-bit 133MHz PCI-X, 2x 32-bit PCI, 1x UIO Slots
<b>External Ports</b>	One Fast UART 16550 serial port Two RJ-45 Gbit LAN ports Six USB ports (4 x rear, 2 front) One VGA port Two PS/2 ports (keyboard/mouse) ECP / EEP parallel port ALC 883 High Definition 7.1 Channel Audio
<b>Power Supply</b>	Single 865W AC power supply w/ PFC Auto-switching 100/240 AC power
<b>Certified Operating Systems</b>	Microsoft® Windows® Server 2003 and 2008 family of products, Red Hat EL 5, SuSE Linux 10.x
<b>Server Management</b>	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 Over LAN & Dedicated LAN
<b>System BIOS</b>	8MB Flash EEPROM with Phoenix® BIOS DMI 2.3 PCI 2.2 ACPI 1.0/2.0 USB Keyboard support SMBIOS 2.3
<b>Case Dimensions</b>	Tower: 17.2" W x 25.5" D x 7.0" H Optional: Rack Mount rails Weight: 63 lb gross
<b>Chassis Cooling</b>	3x 5000 RPM Hot-Swappable Cooling Fans 2x 5000 RPM Hot-Swappable Rear Exhaust Fans
<b>Limited Warranty</b>	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-SIMLP-B(+) to control and monitor your hardware from any remote location.

#### Notes:

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

