

Server

Mid-tower - SAS / SATA-II



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

Pillar 2900i Motherboard:

6 Memory Sockets with 677MHz ECC DDR2 Memory

Integrated XGI Z9 Graphics with 32MB

Intel 5100 Chip-set

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

Pillar 2900s Motherboard:

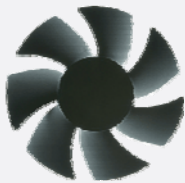
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Server Management:



Pillar 2900 includes the Intelligent Platform Management Interface which enables out-of-band capabilities for monitoring hardware and software regardless of operating system or power state.



Ideal for Small Office

The Pillar 2900 Series offer excellent CPU performance per watt, optional lights-out system management, unprecedented storage and Input/Output (I/O) flexibility. Designed to grow with your business, the 2900 Series provides superb expansion capabilities and a portfolio of Genuine Windows® Server Operating System options for running small workgroup applications such as email, file and print sharing, shared Internet access 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 2900 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 Hard Drives; Dual Integrated Network Interfaces (NICs); Up to 48GB ECC registered DDR2 SDRAM memory in six DIMM slots.

Monitor health status and minimize downtime

Pillar 2900 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 2900 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 2900 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	2900i : ICH9R SB SATA II 2900s : LSI1068E SAS RAID 0, 1, 10
Drive Bays	2900i : Four fixed SATA II 2900s : Four fixed SAS
Storage Options	2900i : Up to 1 TB SATA II 2900s : Up to 1.5 TB SAS
Optical Drives	DVD±RW/R/CDRW
Connectivity	Intel 82573 dual port 10/100/1000 (Gigabit) Ethernet Network Interfaces (NICs)
Graphics	32MB XGI Z9 graphic controller
Expansion Slots	2 (x8) PCI-e 1 (x4) PCI-e (using x8 slot), 3x 32-bit PCI slots
External Ports	One Fast UART 16550 serial port Two RJ-45 Gbit LAN ports Four USB ports (2 rear, 2 front) One VGA port Two PS/2 ports (keyboard/mouse)
Power Supply	450W low Noise 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
System BIOS	8MB Flash EEPROM with Phoenix® BIOS DMI 2.3 PCI 2.2 ACPI 1.0/2.0/3.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.5
Case Dimensions	7" W x 20.9" D x 16.8" H Weight: 39 lb gross
Chassis Cooling	1x 12cm exhaust thermal fan 1x 9cm mounted thermal cooling fan
Limited Warranty	3-year parts and labor

RECOMMENDED UPGRADES

Intel Xeon Processor



Turn your server into a calculation powerhouse 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 2900 Series support only registered ECC memory. Non-ECC or unbuffered memories are not supported. Two-way interleaved memory banks (must use a pair of DIMMs) .

