

RELIANCE



Key Features

- TQ Tower Chassis
- 250, 300, 350, 400, 460 Watt Power Supply
- Intel® Xeon™ Processors, Dual Processor Ready
- 1.8 - 3.06 GHz CPU
- 400 or 533 MHz Front Side Bus (FSB)
- Intel® E7501 Chipset
- Maximum 16 GB of DDR266 SDRAM memory
- Integrated ATI Rage XL Video Controller with 8 MB Video Memory
- Triple Peer PCI-X Slots
Dual Channel Ultra 320 SCSI
- Two Intel® PRO/1000 MT Network Connections
- Adaptec® ZCR RAID Controller (Optional)
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '99 Compliant

Reliance III Series Entry Server

If you run scientific, engineering, or CPU-intensive database applications, then you have found your ideal entry level server platform. Powered by the most advanced dual Intel® Xeon™ processors, the Reliance III has brought an end to the separation between performance and affordability. Performance that used to belong to highly expensive workstations is now available with the ever-affordable Reliance III. With its 16 GB of two-way interleaved error code correcting DDR SDRAM memory capability and 400 MHz or 533 MHz system bus speed, the Reliance III is one of the best performing servers in the marketplace today. The Reliance Series is built around Intel's E7501 Chipset and has a host of cutting-edge technologies such as Triple Peer PCI-X, Intel® PRO Server Ethernet, up to five USB ports, Ultra DMA 100, and optional Adaptec® Zero Channel RAID. Its 460 Watt power supply is designed to accommodate the full expansion potential of the TQ Tower chassis which is capable of holding up to eleven storage devices. You no longer have to forego affordability at the expense of performance -- you can now have both with the Reliance III Series server.



Model CQ1-S187

Reliance III Series Entry Server

Processor

Dual Intel® Xeon™ Processors with Hyper-Threading Technology
603-pin Socket INT-mPGA
Intel® NetBurst™ Microarchitecture
400 MHz or 533 MHz Front Side Bus (FSB)
1.8 GHz to 3.06 GHz CPU

Chipset

Intel® E7501 Chipset
Intel® E7501 Memory Controller Hub (MCH)
Intel® 82801CA Integrated Controller Hub (ICH-3)
Intel® 82870P2 64-bit PCI/PCI-X Controller (P64H2)
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mb Flash EEPROM
Phoenix® BIOS - Plug & Play, SMBIOS 2.3, ECC/Parity support, Multilingual support
IDE Drive Autoconfigure
Automatic Hard Disk Detection
Built-in Password Protection
Supports ZIP Drives
Supports IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI)
PC '99 Compliant

Cache

12k µop and 8 KB Data, Level 1 Execution Trace Cache
512 KB On-Die L2 Advanced Transfer Cache

System Memory

Eight (Two-way) Interleaved DIMM Sockets for DDR266 SDRAM
128 MB, 256 MB, 512 MB, 1 GB and 2 GB DIMMs
Maximum Memory Capacity of 16 GB
72-bit ECC, Corrects Single-bit Errors, Detects Double-bit errors, Chipkill Technology

Server Management

Fan Status/Temperature Monitoring and Alert
Auto Stop of CPU Fan in Suspend Mode to Save Power
Auto Slow-Down of CPU when overheating is detected
Power Supply Voltage Monitoring and Alert
Chassis Intrusion Alarm and Logging
Service Partition Support
System Resources: Memory & Hard Disk Drive Utilization Monitoring & Alert

Integrated Super I/O

One ECP/EEP Parallel Port
Two Serial Ports
One Floppy controller, 1.44 MB, 2.88 MB, 3-mode support
One PS/2 Mouse and One PS/2 Keyboard Port
Five USB connectors

LAN/SCSI Interface

Adaptec® AIC-7902W Dual Channel SCSI Controller
Two Ultra320/LVD channels connected via one internal 68-pin-wide connector and one 68-pin high density external SCSI connector
Max data transfer: 160 MB/sec on Ultra 160/LVD channel
Two Intel® PRO/1000 MT Network Connections (Intel® 82546EB controllers)
Supports 10Base-T, 100Base-TX, and 1000Base-T w/ RJ45 Connector

Options

Adaptec® 2010S ZCR RAID

Integrated PCI IDE/RAID

2 Enhanced IDE Channels
Supports 4 IDE Devices
Supports PIO Modes 3 & 4 (17 MB/sec maximum)
Supports Bus Master DMA Mode 2 (22 MB/sec maximum)
Supports Bus Master Ultra DMA/100 (100 MB/sec maximum)
ATAPI CD-ROM Supported
Adaptec® Zero-Channel RAID Support (Optional)
2 Independent Channels - PCI Bus Master IDE Ports
Supports Bus Master RAID Levels 0, 0/1, 5, 0/5, JBOD

Integrated Graphics Adapter

ATI® Rage® XL SVGA PCI video controller with 8 MB video memory

Expansion Slots

Triple Peer PCI Slots: 6 PCI-X
Virtual Extended Bus (VXB) Slot: 1

Bus Architecture

64-bit/66 MHz PCI-X, 64-bit/100 MHz PCI-X

Housing Configuration

TQ Tower Chassis

Dimensions (d) x (w) x (h) cm/inches

46.5 x 22.6 x 52.8 / 18.3 x 8.9 x 20.8

Drive Bays

5.25" External: 4
3.5" External: 2
3.5" Internal (Standard/Optional) 5/0

Power Supply Features

Input Voltage 100-240 VAC
Input Frequency 50/60 Hz
Input Currents 10.0 / 5.5 A
Device Power Connectors 7 for 5.25" and 2 for 3.5" Devices
Green PC EEF Energy Efficient PC
Maximum Output 250/300/350/400/460 Watts
Form Factor Intel® ATX
Soft Power Switch DC On/Off via TTL Signal

Environmental

Operating Temperature: 0° to 55° C / 32° to 131° F
Storage Temperature: -40° to 70° C / -42° to 158° F
Relative Humidity: 92% RH @ 36° C / 97° F
Airflow Requirements: 100 LFM

Regulatory & Product Certifications

EMI/RFI: FCC Class B
Safety: Underwriter Laboratories 1950, 1st Edition
EPA: Energy Star Compliant

Optional Items

6 cm Cooling Fan
8 cm Cooling Fan
3.5 inch Hard Drive Bracket

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