

P5240 Power Storage Server

High Performance Storage Server
Massive Storage Capacity – Up to 8TBytes
Dual Opteron Main Board
Dual Fast Integrated Hardware RAID Controllers
N+1 Hot Swap Power Supplies
Dual Gigabit Ethernet - Expandable



Server System

- ▶ Compact 5U Enclosure
- ▶ Hi-flow Cooling Fans for Reliable Operation
- ▶ 24 Hot Swap S-ATA Disk Drive Bays
- ▶ Integrated Dual 12 Channel SATA RAID Controllers
- ▶ Enclosure Health Monitoring System
- ▶ Sextuple Redundant Hot Swap Power Supplies
- ▶ Options for CD and FDD Drives
- ▶ Designed for Professional 800 mm Cabinets

Processing Engine

- ▶ Fast Dual Opteron Server board
- ▶ Dual AMD Opteron Processors – Choice of CPU Speeds
- ▶ 8 x DIMM Sockets
- ▶ Up to 16GB Registered ECC DDR Memory
- ▶ ATI Rage XL 4MB Video on board
- ▶ Dual on board GB LAN Ports

Integrated Storage

- ▶ 24 Hot Swap S-ATA Drive Bays
- ▶ 5TBytes+ useable in RAID 5 (with 24x250GB HDD)
- ▶ 1.44MB Floppy Disk Drive Option
- ▶ 1 x Parallel Port, 2 x Serial Ports, 2 x USB
- ▶ Integrated Dual Hardware RAID Controllers
- ▶ H/W Monitor for CPU Temp, Voltage and Cooling Fan

Expansion Slots

- ▶ 2 x 133/100/66MHz 64 Bit PCI-X
- ▶ 2 x 100/66MHz 64 Bit PCI-X
- ▶ 1 x 33MHz 32 Bit PCI

Overview

The P5240 is a high performance server system using the latest Opteron processors from AMD.

The Dual processor mainboard accepts up to 16GB of RAM, and provides two Gigabit Ethernet Interfaces as standard.

The high performance dual integrated hardware RAID controllers provide storage data rates of around 200MBytes per second using the latest fast Serial ATA disk drives.

Fitted with 24 x 250GB S-ATA hard drives, the P5240 provides approximately 5TBytes of useable storage in RAID.

The unit supports Windows 2000, 2003 and Linux and your choice of operating system is provided loaded and set-up on the server, complete with RAID storage built and tested, ready to use as a build option.



Specification

Main Board

- Dual Opteron Processor Mainboard (other options available)
- Up to 12 / 16 GB of Registered DDR Memory
- 4 x 64 Bit PCI-X Expansion Slots (one or two used by RAID Controller)
- Dual Gigabit Network Ports
- On board ATI Rage XL Video
- Four USB Ports

Disk Storage System

- 24 x 150MB/S S-ATA Channels, Hot Swap Carriers
- Provides ~5TB useable in RAID 5
- Capacity quoted with 24 x 250GB S-ATA HDD Fitted
- Disk Capacities up to 24 x 400GB are supported (8TB useable in RAID 5)

RAID Controller

- Dual 12 Channel S-ATA Hardware RAID Controllers
- Supports RAID 0, 1, 5, 10 and Hot Spare Drive

Environmental

- Operating temperature range: +10 to +40 deg C
- Storage temperature range: 0 to +55 deg C
- Humidity: 10 to 85% non-condensing

Cooling

- Four Integrated Swappable Redundant Fan Modules

System Monitor

- Alarming on Fan Speeds and Temperature
- Disk and RAID Fault Monitoring and Remote Alarming Options
- Alarm Card Option for Alerting over Ethernet / SNMP

AC Power Supply

- Sextuple Hot Swap 2x(250W+250W+250W) Modules
- Dual Power Cords
- Auto-ranging 105 to 264 Volts AC, 47 to 63Hz

Physical

- Power Consumption: ~480W typical
- Weight: 31Kg approx with drives fitted
- 5U 19" rack, 483mm wide x 222mm high x 650mm deep

CE Compliance

- Conforms with EEC Directives on EMC Emissions and Safety



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