

P3120 Power Storage Server

High Performance Server
Dual Opteron Main Board
Integrated SATA RAID Storage
Dual Hot Swap Power Supplies
Dual Gbit Ethernet



Server System

- ▶ Compact 3U Enclosure
- ▶ Hi-flow Cooling Fans for Reliable Operation
- ▶ 12 Hot Swap SATA Disk Drive Bays
- ▶ Integrated 12 Channel SATA RAID Controller
- ▶ Enclosure Health Monitoring System
- ▶ Dual 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
- ▶ 6 x DIMM Sockets
- ▶ Up to 12GB Registered ECC PC1600DDR
- ▶ ATI Rage XL 4MB Video on board
- ▶ Dual on board GB LAN Ports

Integrated Storage

- ▶ 12 Hot Swap SATA Drive Bays
- ▶ 2.5TBytes+ useable in RAID 5 with Hot Spare
- ▶ Separate RAID 1 Mirror for Operating System
- ▶ 1.44MB Floppy Disk Drive Option
- ▶ 1 x Parallel Port, 2 x Serial Ports, 2 x USB
- ▶ Integrated Hardware RAID Controller
- ▶ 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 P3120 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 integrated hardware RAID controller provides storage data rates of around 180MBytes per second using the latest fast Serial ATA disk drives.



Fitted with 12 x 250GB S-ATA hard drives, the P3120 provides ~2.5TBytes of useable storage in raid 5, or approximately 2.25TB with a global hot spare configured.

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

Specification

Main Board

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

Disk Storage System

- 12 x 150MB/S S-ATA Channels, Hot Swap Carriers
- Provides ~2.5TB useable in RAID 5
- Capacity Quoted with 12 x 250GB S-ATA HDD Fitted
- Disk Capacities up to 12 x 400GB are Supported

RAID Controller

- 12 Channel S-ATA Hardware RAID Controller
- 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

- Dual Hot Swap 460+460W Modules
- Dual Power Cords
- Auto-ranging 105 to 264 Volts AC, 47 to 63Hz

Physical

- Power Consumption: ~300W typical
- Weight: 27Kg approx with drives fitted
- Dimensions: 3U 19" rack, 483mm wide x 133mm high x 650mm deep

CE Compliance

- Conforms with EEC Directives on EMC Emissions and Safety



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