

| Model | | PA-16 | PA-08 | | |
|----------------------------|--|--------------------------------|----------------------------|--------------------------------|--|
| | U3 | FC | U3 | FC | |
| RAID Engine | Intel i80303 64bit RISC CPU | | | | |
| RAID Levels | 0, 1, 3, 5 or 0 + 1 | | | | |
| Cache Support (Write back) | Up to 512Mbytes with ECC 144pins SDRAM Memory | | | | |
| System Type | Rack mountable | | | | |
| Host Interface | Dual Ultra 160 | Dual loops 2Gb Fibre Channels, | Dual Ultra 160 | Dual loops 2Gb Fibre Channels, | |
| | SCSI Channels | Standard SFP connectors | SCSI Channels | Standard SFP connectors | |
| Host Transfer | 160MB / Sec | 2Gb / Sec per loop | 160MB / Sec per | 2Gb / Sec per loop | |
| Rate | per channel | 2007 000 per 100p | channel | 2007 000 per 100p | |
| Disk Interface | EIDE, ATA - 100 | | | | |
| Disk Channel | Sixteen of UltraDMA100 Disk Channel Eight of UltraDMA100 Disk Channel | | | | |
| LCD Display | 2 Lines by 16 Characters | | | | |
| Hot Swap and redundant | Yes (Power Supply, Drive and Fan). | | | | |
| Hot Spare | Yes (Drive). | | | | |
| Battery Back-Up Module | Optional, Supporting up to 72hrs battery back-up time (N.A.) | | | | |
| UART - LAN | Optional, Windows - Based GUI RAID manager designed for SCSI / FC host based RAID solutions. The OS - independent, | | | | |
| | cross-platform RAID management allows configuration and status monitoring via standard web browsers or host composite either directly connected to a LAN or WAN. | | | | |
| | | | | | |
| FC Hub Adaptor | Optional, Connecting each RAID systems with in - build FC hub adaptors, provides greater extension availability, No need for | | | | |
| | extra External FC Hub or Switch. | | | | |
| Array Management Support | Yes. | | | | |
| Automatic Bad-Sector | Yes. | | | | |
| & Error Recovery | | | | | |
| Automatic Drive Rebuilds | Yes. Automatic Data rebuilds. | | | | |
| Audible Alarm, Pager | Yes. The Pager and Fax Notification have to connect a external modem. | | | | |
| and Fax Notification | | | | | |
| Remote Terminal | Yes. Through RS-232 emulation terminal. | | | | |
| Configuration | | | | | |
| Operating Systems | O/S Independent and Transparent | | | | |
| Power Supply | Power Supply PA-16: 750+375 watts Redundancy high quality power system, three 375 watts module with PFC function. Load share | | | | |
| | and cableless design with 700 watts Redundancy high quality power system, two 350 watts module with PFC function. Load | | | | |
| | sharing type. | | | | |
| Electrical | AC Voltage 100 - 240 VACAc Frequency 47 - 63Hz | | | | |
| Temperature | Operating Temperature : 5 to 45 degree C.Non Operating Temperature : -40 to 60 degree C. | | | | |
| Relative Humidity | 20% to 80% non-condensing | | | | |
| Dimensions | 446.4 (W) * 499.8 (D) * 3 | U (H) | 445.4 (W) * 546 (D) * 2U (| H) | |
| Weight | 28KG | | 19KG | | |

^{*}Specification subject to change without notice, all trademarks or registered trademarks are properties of their respective owners.











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2U 8Bay P-ATA 3U16Bay P-ATA

SCSI / FC - IDE RIAD System

▶ ► AXUS' DemonRAID P-ATA Series are designed to offer high performance, high reliability, considerable availability, greater capacity and cost less alternative to high cost Fibre to Fibre, Fibre to SCSI and/or SCSI to SCSI RAID subsystems. DemonRAID systems support Fibre Channel host or SCSI interface host connection, and utilize cost-effective IDE drives with simplified storage setup and management process making it ideal for midrange and Enterprise Servers. AXUS RAIDcare storage manager tool enables easy configuration, more your DemonRAID, either locally or remotely. "Critical Event Notification" alerts



2U 8Bay



3U 16Bay

Outstanding Performance

3U 16Bav

Outstanding Performance

Demon P - ATA RAID uses high performance Intel i80303 64bit RISC processor and intelligent cache system which supports up to 512Mbytes SDRAM for data caching, and to perform simultaneously distribute multiple requests through high speed parallel data transfer, from the host computer to connected EIDE hard drives.

The unique Demon array management firmware utilizes multitasking real-time kernel technology to allow higher efficiency in data transfer.

"Single drive per independent channel" architecture provides high sufficient data throughput per channel and also eliminates overhead disk multitasking in order to increase the data transfer.

ligh Reliability

Cable-less design, utilizes solid PCB and connectors instead of cables to improve the signal quality and the system

High quality power system, three of full 375 watts capacity power modules which bundle with the PFC function

Implementing a Micro switch on the carrier to cut off the DC power during hot swapping the disk to protect the IDE signals.

Demon P - ATA supports optional battery back up module to avoid the data loss due to the sudden power-off.

Greater Capacity

Highest Quality Product Design equivalents to a complete industry safety standard to our customers. One of our many unique product advantages is the AXUS device carrier, designed and made with aluminum materials for greater heat dissipation and emissions protection. Our complete Cable - less design, utilizes solid PCB and connectors instead of cables to improve the signal quality and most of all, the system reliability.

Low Cost of Ownership

ting Fibre Channel or Ultra-160 SCSI host connection and utilizing the cost - effective IDE drivers which simplify the storage setup process to make a smart choice for many kinds of purpose

DemonRAID Enhanced Features:

High density slim type enclosure design supports up to16 drives in 3U height and 8 drives in 2U height

- ■A Special latch design on AC inlet to protect the AC power cord that may accidentlly fall off from the inlet
- ■UART to LAN Module provides an TCP/IP based out-band management for your RAID system. UART to LAN connects to the RAID system via a UART port and provides remote management functionalities to the subsystem over the networks via the Ethernet port. It also provides local UART ports for users who need to manage the RAID via the text-mode console.
- ■Build-in FC-Hub provides greater extension availability, enables you to set up metropolitan SANs that have separated nodes. Hence, there is no need to buy extra External FC Hub or Switch. Demon P-ATA supports up to 16 drives, and a maximum capacity of 64 TB.

Demon P - ATA supports On - Line - Expansion function that allows you to add drives to existing array, and re-strip the data across to all the drives.

Considerable Availability

Advanced algorithms providing RAID levels 0,1,3, 5 or 0 + 1 option, so you can benefit from either the performance and availability of RAID 0+1 or the capacity and economy of RIAD 5. Redundant power/cooling fan system tolerates a main failure without interrupting service.

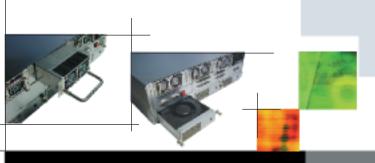
Hot swapping of disk drive / cooling fan/power supply. Hot swap design allows easy swap out of faulty parts without loss of service from RAID.

IDE disks in a single disk per channel configuration lower the risk of failure.

Hot spare for stand - by disk drive. When a hard disk drive error occurs on any of the hard drives, this on - line hot spare disk drive will automatically takes over for the failed disk drive, leaving you with hands free support.

Automatic drive failure detecting & Automatic drive online rebuilding enables you to replace the hard drive without having any operations or commands. It transfers data into the replaced hard drives automatically.

Independent Operating Systems. No Matter it is Windows Me / 98, Windows 2000, Widows NT, XP, NOVELL, UNIX or Macintosh are compatible and transparent to our subsystems.



RAID Configuring Management:

- All the standard functions are included in the Control Panel on
- Connecting via RS 232 or LAN port (Host computer to AXUS Demo on RAID)
- "Web Access" can be set as "Enable" or "Disable" to control the access right of RAID re - configuring.

RAID health Monitoring:

- Displaying the system information of Demon RAID.
- Monitoring the status of Physical Hard Drive.
- Reporting the status of Power supply, UPS, Fan and Temperature.

• Connecting via either RS-232 LAN port or SCSI interface.

Critical Event Notification:

- Supporting up to 10 E-mail address





RAIDCare storage Manager, a user-friendly graphical management tool provides a comfortable interface to configure and monitor the AXUS Demon RAID subsystems from anywhere using standard Web browser via a TCP/IP agent on the Host Computer. This friendly interface not only enables the user to monitor and maintain the Demon RAID, but also provides advanced functionalities such as "Critical event notification" to report the event via E-mail.

2U 8Bav

There are two major components in the architecture of RAIDCare system, one of them is "Monitor agent ", every Host computer connects to the Demon RAID has to install this component to monitor Demon RAID's real-time health status, responding to any abnormal event, and accepting manager's request to reply RAID's information or reconfiguring the RAID. Another counterpart is called "Manager Client", "Manager Client can be any PC with TCP/IP communication to Java Manager, is a user interface, which displays the RAID's information and provides user functions to submit commands to re-configure the RAID. We also provide the web interface for managing the RAID.

