

ARM® STOR 16003FS

ARM®

AMERICAN RESEARCH MACHINES



3 U Profile Redundant Controller 16-drive SATA RAID Subsystems

FEATURE HIGHLIGHTS

- 2Gbps Fibre Host Channels; Transfer rate up to 200MB/sec for each channel.
- Two 2Gbps Fibre Channel Expansion Ports; Transfer rate up to 200MB/sec for each Channel.
- Full-featured redundant controller architecture
- Multiple Logical Drive configurations, each with a different RAID level.
- Auto detection, auto rebuild, hot spare, and hot swap capability.
- LUN Filtering RAID-based and centralized access management in SAN.
- Up to 1024 LUNs per host
- Intelligent Drive Handling : for managing bad blocks during rebuild and the manual Media Scan function for data maintenance
- Up to 64TB per LD
- Up to 1GB SDRAM
- Variable rebuild priority to meet a variety of applications
- RAIDWatch: Browser-based GUI manager on all major platform

OVERVIEW

The ARM STOR 16003FS RAID controller subsystems are the latest in ARM STOR highly acclaimed line of SATA RAID products.

The ARM STOR subsystem combines four 2Gbps fibre host channels with 16 1.5Gbps SATA drives in a single storage subsystem. This provides users with massive storage capacity in a safe subsystem environment where a high level of data availability is assured.

Fully featured redundant RAID controllers embedded in the ARM STORr subsystems ensure unprecedented data security. A 2Gbps Fibre Channel expansion port on each controller enables redundant path connection to external storage devices resulting in an increase of the overall storage capacity.

MUX Kits

The availability of two different, separately purchased MUX kits, ensures versatility in drive type selection. Selecting SATA-to-SATA MUX kits allows for the installation of SATA drives into the subsystem. Selecting the SATA-to-PATA MUX kits enables a user to install PATA less expensive option for an economic yet reliable RAID subsystem.

Architecture

Running on architecture trusted by the most demanding applications, the subsystem is capable of a high level of performance. Its 64-bit separate-bus backbone is built around the dedicated XOR engines running at twice the data bus speed. The calculation of parity and distribution of data can be optimized with the free association between individual logical arrays and different optimization modes.

High Performance

Featuring a 64-bit 133MHz memory bus, the unparalleled bandwidth makes the subsystem's high data throughput more than sufficient for small-to-medium sized servers or workstations. Data can be distributed at the burst rate up to 1066MB/sec. The dual independent PCI bus design virtually eliminates all imminent bottlenecks on IO traffic, providing sufficient throughput for a wide range of applications on SCSI-based PCs, single-user workstations, NT, Linux, or Unix-based servers. These applications include disk-to-disk backup, Video on Demand, CCTV, and stream editing

Para mayor información, contáctese con nosotros:

0800-9999-ARM

www.siasa.com.ar | Info@siasa.com.ar

SiASA
SOLUCIONES INFORMÁTICAS

Argentina: Montevideo 496 - Piso 10 - (C1019ABJ) Cap. Federal
Chile: Eliodoro Yáñez 2596 Providencia, Santiago de Chile
0056-2-234-1700



Descubra ARM un mundo de posibilidades basado en tecnología Intel

Intelligent Drive Handling

Media Scan is an innovative Intelligent Drive Handling function that can be used for data retrieval from degraded or damaged hard drives. If two bad blocks occur on two member drives of an array, the integrity of the stored data will be endangered. Intelligent Drive Handling capabilities can be used to retrieve data from the damaged sectors. Media Scan is able to handle low quality drives in both the degraded mode and during the rebuild process. Other Intelligent Drive Handling features, which provide further data security, include the transparent resetting of hung hard drives, Power-failure management and bad drive handling during LD expansion.

RAID CONTROLLERS

- State-of-the-art 400MHz RISC Processor with 256KB embedded L2 cache
- ARM proprietary ASIC133 with XOR engine and ECC inside Standard 256MB - 1GB cache memory in one SDRAM with optional BBU.
- LCD controller panel interface
- System Fan speed/Voltage/ Temperature self-monitoring
- One 2Gbps Fibre Channel expansion port.
- Two RS-232C (Audio Jack) serial ports, One serial port is for text mode management and the other provides UPS support.
- One 10/100M Ethernet Port
- 32KB NVRAM with RTC (Real Time Clock)
- Beeper

RAID OPERATION

- RAID level 0, 1, 1 (0+1), 3, 5, 10, 30 and 50
- Multiple RAID selection
- Hot-spare drive operation
- Drive hot-swapping
- Automatic background rebuild
- Online drive expansion
- Intelligent Drive Handling

HOST INTERFACES

- Two 2Gbps Fibre Channels
- SAN ready

MANAGEMENT SOFTWARE

- System monitoring via out-of-band Ethernet
- RAIDWatch manager software for all major platforms via an Ethernet port
- Firmware-embedded manager via RS-232C (Audio Jack) (platform independent)

EXTERNAL CONNECTIONS

- Three SFP ports for optical fiber connection
- Two RS-232C (Audio Jack) serial port connectors(38400, n, 8, 1)
- One RJ45 Ethernet port

DIMENSIONS

- Enclosure : 131H x 500L x 447W mm
- SI/ODM controller board: Board dimensions /255L x 142Wmm

Para mayor información, contáctese con nosotros:

0800-9999-ARM

Www.siasa.com.ar | Info@siasa.com.ar



ISO 9001

Argentina: Montevideo 496 - Piso 10 - (C1019ABJ) Cap. Federal
Chile: Eliodoro Yáñez 2596 Providencia, Santiago de Chile
0056-2-234-1700

