araid® M70

A non-Stop SATA II RAID 1 Controller

- Durable RAID 1 Disk Mirror for 24x7
- Ultra compact, Floppy drive size
- SATA II 3G Host & Disk Interface
- Disk Hot-Swap & Auto-Rebuild
- Served with 3.5" or 2.5" Drives
- Optional RAID 0 Disk Striping
- Optional SNMP Network Management Software

Pri HD1 : OK
Sec HD2 : OK

Access
HD2 HD1 Buzzer

M70

SYS

Pri Seag : 300G
Sec Hita : 500G

Access
HD2 HD1 Buzzer

M70

SYS

Ultra Compact, High Performance RAID 1 Controller

M70 is a low profile, compact RAID disk array that can easily and quickly connect to a single SATA II port. It fits into a single 3.5" floppy drive bay. Standard RAID 1 is supported to providing disk mirroring for data redundancy. It allows one malfunctioned hard disk to be replaced while the PC system is running (Disk Hot-Swap).

M70 may fit into many types of computer system including desktop PCs, industrial PCs, servers, Network Attached Storage and home computers. M70 directly connects to PC's SATA II port without needing software device drivers. System CPU's overhead of disk mirroring is negligent due to dual advanced 32bit CPU design (RAID engine & HIP).

Application:

Government Organizations, Military Units,

Banks & Offices Automation, Robot manufactories,

Semiconductor manufactures, Auto factories,…etc.

Where mission-critical & 24 x 7 operation required

Feature and Benefit

- **Real-time RAID 1 Support.** Two copies of data are continually written on two hard disks. If one disk fails, you always will have a 100% data backup.
- **Disk Hot-Swap support.** You can replace a failed hard disk without shutting down system.
- **Background Disk Rebuild Support.** You can get back doing your work.
- **Raid Manager Software Support.** Lets you monitor and manage M70 on your computer.
- **RAID SNMP Agent Support.** Lets you monitor and manage M70 directly in LAN with popular Network Management Software.

YEAR 2008 BEST

A failed hard disk can never let you down again.

Pri ND1:OK Sec ND2:OK	Pri ND1:OK Sec ND2:Fail	Pri ND1:OK Sec ND2:Fail	Rebuilding... Pri ➡ Sec 02%	Rebuilding... Pri ➡ Sec 02%	Rebuilding... Pri ➡ Sec 20%	Pri ND1:OK Sec ND2:OK
Two good drive	One drive failed	Remove failed drive	Insert new drive & start disk rebuild		Rebuild in progress(20%)	Rebuild complete

araid® M70 A Durable 24x7 Disk Array Controller

Functions

M70 is a compact fault tolerant RAID 1 storage subsystem(or optional RAID 0). No driver is required for operation and status is given on LCD and LEDs. Audio notification will also be made by a buzzer to alert administrator.
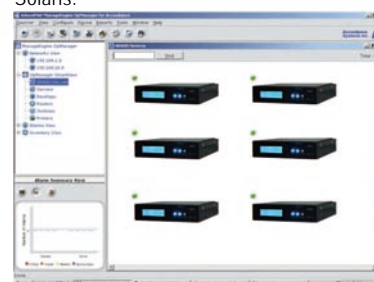
RAID Management

Raid Manager(Java) is a local disk array monitor and management software that works with Windows/Linux/Mac/Solaris. It reports disk status and automated e-mail alert notification.

(Optional) Araid SNMP Agent provides proprietary ARAID MIBs, MIB II and Traps for M70. It gives M70 ability to be managed by popular Network Management Software, such as *hp* OpenView, IBM. NetView.

Local management:
Araid Manager (Java) for Windows, Linux, Mac, Solaris.

SNMP Network management:
Araid SNMP Agent for Windows or Linux for enterprises.

Standard Warranty: One Year

Araid M70 SPECIFICATIONS

PC Host Interface	SATA II (3Gbps)
Hard disk Interface & Size SSD(Solid State Disk) supported	SATA II (3Gbps), 3.5 or 2.5 inch
No Driver/Add-on Card required	Yes
RAID Level	RAID 1 (disk mirror) - Default. Or optional RAID 0 (disk stripe)
O.S. Supported	Windows Vista, XP, 2000, Server 2003, Linux, QNX, Mac O.S., SCO UNIX, Free BSD, Solaris.
Host Requirement	Built-in SATA port with port multiplier recommended
Dual 32 bit CPU	Yes. One RAID engine and one Human Interface Processor
Failed Disk Hot-Swap & New Disk Online auto Rebuild	Yes. Allows user to replace hard disk while PC is operating
Standard Disk Format	Yes, fully complies to standard disk format
Front Panel LCD	Yes, shows drives' status, brand, capacity and disk rebuild progress
LED indicator	Yes, shows system and disk READ or WRITE status
Hard Disk Fail Alert	Yes, LCD, LED, Buzzer, email and SNMP Trap Notification
Space Required	1 free 3.25" Floppy Drive Bay
Dimension	Width 101mm, Height 25mm, Length(Depth) 120mm
Weight (Approximate)	152g(excludes hard disk)
Connectors	Host: SATA x1 and Power x1. Drives: SATA x2.(HD1 & HD2) Monitor & Configuration connectors.(RS232)
Local Management Utility	Yes, Araid Manager(Java) for Windows/Linux/Mac/Solaris. Requires either built-in RS-232/USB or just SATA connection
SNMP Management(optional)	Yes, SNMP Agent for Windows or Linux a available. ARAID proprietary Enterprise MIB, MIB II, Traps a available.

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