araid® M300/MS300

A non-Stop SATA II DISK ARRAY

Support Enterprise SNMP Agent Management *since 1998*
Unique "Mirror on Demand" (provide anti-virus)

- Ultra Compact, 1U, CD-ROM size
- RAID 1 Disk Mirror for 24x7
- SATA II (3G) Host & 2.5" Disk interfaces
- Disk Hot-swap, Auto-Rebuild & Hot Plug in
- No Driver or Add-on Card required
- 4cm Japan brand Silent & Powerful Fan
- ARAID MS300 can enable HDD's Security feature

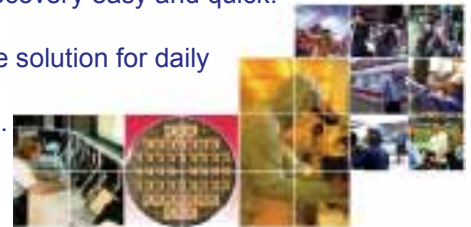## Ultra Compact, High Performance RAID 1 Subsystem

ARAID M300/MS300 is a low profile, compact RAID disk array that can easily and quickly connect to a single SATA II port. It fits in a single 5.25" bay, 1U height hosting two 2.5" SATA II disk drives. Standard RAID 1 is supported to provide disk mirroring for data redundancy, while optional RAID 0 is to increase disk capacity and performance. ARAID enables user to replace the failed hard disk while PC is operating and rebuilds all contents to a new hard disk automatically, no manually setup is required.

ARAID M300/MS300 fits into any type of computer system including desktop PCs, Industrial PCs, servers, Network Attached Storage and home computers. The M300/MS300 directly connects to PC's SATA II port without needing software device drivers. Should any hard disk fail, there is always a real-time backup on the other survival drive. ARAID MS300 can enable hard drive's Security feature which can prevent any data disclosed.

Application: Government Organizations, Military Units, Banks & Offices Automation, Robot manufactory, Semiconductor manufacture, Auto factory,…etc. Mission-critical & 24 x 7 operation required

The New Generation of Computer Investment of the 21st Century

- Two hard disks work concurrently. When one disk fails, you always have a 100% data backup on the other healthy drive.
- Installation and disk replacement takes minimal time. System has zero down time because PC keeps working while replacing a new hard disk. Business never down due to a fail drive.
- Grandfather-Father-Son periodical off-line backup method makes virus removal or recovery easy and quick.
- When PC fails, shortest system restore time guarantee.
- ARAID is the fastest, most reliable and cost effective RAID storage and performance solution for daily computer operation.
- Secure ARAID MS300 makes hard disk data has one more safe & secure protection.
- Optional IDE Bridge host interface to lower the risk of finding hard disk.

A failed hard disk can never let you down again.

YEAR 2010 BEST

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

araid® *M300/MS300*

A Durable 24x7 Disk Array Storage System

Functions & Features

ARAID M300/MS300 is a real-time backup, fault tolerant storage subsystem with online disk hot-swap capability (RAID 1). Support standard SATA II Host Interface and Hard Disk. Built-in with LCD display, LED indicator, Human Interface Processor and 6cm powerful fan inside. ARAID M300/MS300 requires no device driver or interface card to install. Hard disk and operate ARAID in just one single step, no other setting is required. Furthermore, ARAID M300/MS300 is compatible with AHCI and support S.M.A.R.T. feature.

Local management

Monitor software (Administrator can view real-time fan & temperature status, disk array situation, receive alert notification).
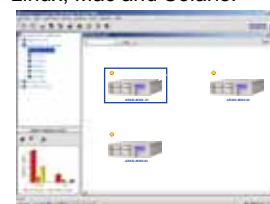
RAID Management

ARAID SNMP Agent for Windows or Linux can support such HP, IBM and etc. standard network management features.

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

Easy Installation & Operation

ARAID M300/MS300 requires no device driver or interface card to install and is compatible to all popular operating systems. After detecting by the PC BIOS as a single hard disk, this ARAID M300/MS300 can be used right away. Hard disks good/bad, read/write status will be showed by LCD & LED in real-time. Any hard disk has failure, buzzer will automatic make alarm sound to warning and the administrator has to turn off the buzzer switch manually and find out the problem(s).

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

IDE   SATA

Support SATA, IDE or SCSI (up on request) Host Interface.

ARAID M300/MS300 SPECIFICATION

PC Host Interface	SATA II (3G), also support SATA I (1.5G). (Optional: IDE Bridge)
Hard Disk Interface	2.5" SATA II (3G), also support SSD
RAID Mode	RAID 1 or RAID 0
Requires No Driver /Add-on Card	Yes.
Failed HDD Hot-Swap & New HDD Auto-Rebuild	Yes, allows users to replace hard disk while PC is operating.
Mirror on Demand switch	Manual Disk Rebuild function. Standby hard disk provide anti-virus and file mishandling recovery capability.
Front Panel LCD	Displays status of disks, including Fan, Temperature, and Rebuilding Percentage(%) status.
LED Indicator	Yes, shows hard disk READ or WRITE status.
Hard Disk Fail Alert	LCD, LED, Buzzer, Email and SNMP Trap notifications.
O.S. support	Windows 7, Vista, XP, 2008/2003/2000/NT4.0, ME/98/95, 3.11, DOS 6.22, LINUX, SCO Unix, Free BSD, NetWare, Solaris, Mac OS, IBM OS/2, etc. *When total capacity is over 2TB, O.S. must be able to support in order to see the total capacity of HDD. (ex: Windows XP 64bit and Win7)
Built-in Powerful Fan	Yes, Powerful 4cm Fan. Good for 7200rpm(and above) HDD.
Space Required & Dimension	One free 5.25" drive bays. 165mm(D) x 146mm(W) x 43mm(H)
Connectors	RS-232 x 1 and USB UART x 1.
Local Management	AraidEye utility for Windows and AraidEye for Linux(optional).
SNMP Management (optional)	SNMP Agent for Windows or Linux. Provide Araid MIB, MIB II, and Traps.
Weight	Approximately 1.2kg
Other	ARAID MS300 can enable hard disk's security feature for more data protection.

★ **ARAID M300/MS300 products are all meet RoHS requirements.**

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A. Accordance Systems Inc.