

Accordance Systems

ARAID™ M200 2.5" SATA Hard Disk RAID

Never lose data from a hard disk crash again™

"Many organizations are taking advantage of mirroring technology to augment their recovery capabilities "

*Paul Mayer
Product Manager
Datalink Corporation*



Data Protection

The ARAID M200 is a low profile, self-contained SATA RAID storage subsystem that plugs into the computer's SATA physical interface. The unit appears to the computer as a single, standard hard drive, but maintains identical data on two 2.5" hard drives with minimal overhead (RAID 1 Disk Mirroring) and fits into a single bay.

If one disk fails, the ARAID automatically uses the remaining good drive which contains 100% of your data. The computer will continue to operate without interruption. Hot swap capability allows the failed hard drive to be replaced and copied without rebooting.

The ARAID M200 subsystem supports all platforms including Windows, Linux and Mac. It requires no software or controller cards to operate. Plug two hard drives into the ARAID and your data is fully protected from a hard disk crash.

Extra trays allow you to rotate drives for easy-to-manage offsite backup.

Features

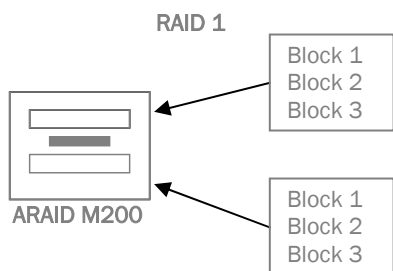
- Connects to a single SATA PC host interface and power plug.
- Hosts two 2.5" SATA laptop drives.
- Provides RAID 1 disk mirroring for data redundancy.
- Requires no additional software or controller cards to operate.
- Disks are hot-swappable for data backup and disk replacement.
- Create a RAID 1 array from an existing drive.
- Supports 7200/5400/4200 RPM drives.
- Includes an SNMP Agent for enterprise network management.
- Forced air cooling.
- LCD display for system and hard drive status.
- LED indicators and audible alarms.
- Includes local monitoring software

Installation and Use

ARAID M200 is a SATA subsystem that mounts in a single drive bay and supports two SATA drives. No software is required for installation or operation. Installing an ARAID is as simple as installing a normal hard drive, and is much simpler than installing a PCI RAID card and configuring cumbersome RAID controller software.

RAID 1 for Data Redundancy

RAID 1 systems mirror data onto two drives by transparently performing all data write operations to both drives. Overall, the ARAID M200 imposes only a 2% overhead on the computer system as the RAID control is done in hardware.



Disk Mirroring

Disk-to-Disk backup

The ARAID provides an effective backup for disk failures, but an off-site data backup strategy is still required for protection against disaster scenarios.

The ARAID can be used to implement an easy to manage disk-to-disk backup strategy by using an extra tray and disk drive. Simply swap one of the ARAID disk drives with the backup drive and then store the backup drive off-site. The complexity and labor of tape backups is eliminated and backups can be performed without shutting down the PC. Restoring data is as simple as shutting down the PC and inserting the recovery drive into the primary slot of the ARAID and rebooting the PC.

Local Management

Accordance provides a local monitoring program for the ARAID that provides drive operation status, fan speed and temperature status.

SNMP Management

Accordance provides an SNMP Agent (Simple Network Management Protocol) for the ARAID M200. SNMP simplifies the management and monitoring of multiple ARAID units in enterprise networks. Information provided includes disk status, fan speed and temperature. It is compatible with Accordance's OpManager, HP's OpenView, and IBM's NetView. The Accordance SNMP Agent supports an enterprise MIB, MIB II and ARAID traps.

Accordance OpManager

Accordance OpManager is an easy to use network management system. The Accordance ARAID MIB and traps are recognized by OpManager and is particularly useful for managing multiple ARAID devices.

Compatible Operating Systems

Windows: Server 2003, 2000, NT4.0, XP/ME/98/95

Macintosh: OS9 and above

Linux: Red Hat, SUSE, Slackware, Debian, Mandrake

DOS: 6.22 and above

SCO UNIX: System V

Novell: NetWare

Sun: Solaris

BSD: OpenBSD, NetBSD, BSDi, FreeBSD

Ordering Information

<u>Part Number</u>	<u>Description</u>	<u>Color</u>	<u>Tray</u>
883-0017-MB	ARAID M200 SATA 2.5" Controller	Black	Metal
000-0023-MB	Extra SATA tray	Black	Metal



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