

Accordance Systems

ARAIID™ M500 2.5" SATA Hard Disk RAID

High Performance RAID for Solid State Drives



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

*- Paul Mayer
Product Manager Datalink
Corporation*

DATA PROTECTION

The ARAID M500 is a low profile, self-contained SATA RAID storage subsystem that plugs into the computer's SATA or IDE host interface. The unit appears to the computer as a single, standard hard drive, but maintains identical data on two 2.5" SATA hard drives with minimal overhead (RAID 1 Disk Mirroring).

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 M500 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 host interface and power plug.
- SATA III interface maximizes throughput with SSD's.
- Hosts two 2.5 SATA laptop SSD or magnetic 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.
- Fully compatible with 10000, 7200, 5400 and 4200 RPM drives.
- Forced air cooling.
- LCD display for system and hard drive status.



Accordance Systems
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Installation and Use

ARAID M500 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 on two drives by transparently performing all data write operations to both drives. Overall, the ARAID M500 imposes only a 2% overhead on the computer system as the RAID control is done in hardware.

RAID 0 is a jumper-selectable option for ultimate driver performance.

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.

Utilizes Your Existing Hard Disk

The device can be inserted into any PC and builds a RAID 1 array with the existing system drive and a blank secondary drive. The ARAID M500 dynamically builds a RAID 1 disk array so that if one disk should ever fail, the computer continues to operate on the surviving drive and data is never lost.

Rebuilding is fast and is done even while new hard disk data is being generated on the system.

Eliminate Tape

ARAID's removable storage trays allow users to rotate hard drives in a similar manner as tape for off site storage.

Archived images are restored instantly by adding ARAID backed up drive trays to the system. You never waste time rebuilding a system from an archive.

Local Management

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

Compatible Operating Systems

Windows: Server 2003, 2000, NT4.0, XP/ME/98/95. Windows 7. Vista

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

RTOS: All



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Ordering Information

Part Number

813-0003-MB
000-0027-MB

Description

Internal ARAID Model M500 - SATA
Internal ARAID M500 Tray