

Accordance Systems

ARAID™ 3000 SATA RAID Controller

Never lose data from a hard disk crash again™

"A clever solution to the backup issues available from Accordance Systems"

*- Michael Hanish
TV Technology*



Overview

The ARAID 3000 is a RAID data protection device intended for legacy designs tied to an EIDE disk controller, but needing the ability to use widely available SATA drives.. The device connects to the computer via a SATA or IDE controller. The ARAID 3000 dynamically builds a RAID 1 disk array supporting data mirroring on two drives. If one disk should ever fail, the computer continues to run uninterrupted on the surviving drive and data is never lost.

The device mounts in two standard 5-1/4" storage bays and appears to the computer as a single hard drive. All data written to the primary drive is automatically and instantly written to the second drive. ARAID is easy to install and requires no system or application software to operate.

The computer notifies you of disk failure and continues to operate without interruption. ARAID hotswap capability allows the failed hard drive to be replaced while the system is in use.

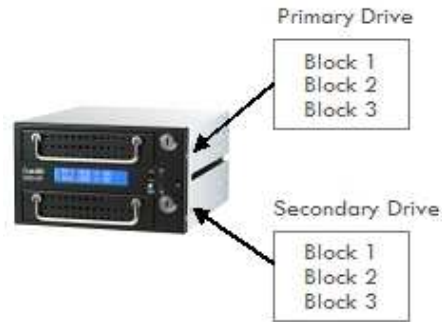
Features

- Connects to a single Serial ATA or EIDE PC host interface
- Automatically creates RAID 1 array with two 3.5" SATA drives
- Requires no additional software or controller cards to operate
- Supports data redundancy through RAID 1 disk mirroring
- Disks are hot-swappable for data backup and disk replacement
- Allows easy disk duplication
- Supports any size drive including 2 Terabyte drives
- SNMP Agent for enterprise network management
- Quiet forced air cooling
- LCD display for system and hard drive status
- LED indicators and audible alarm
- Local monitoring software

RAID 1 Data Redundancy

RAID 1 systems mirror data onto two drives by performing all data write operations to both drives. The ARAID 3000 has no overhead running the RAID 1 disk array and runs faster compared to software based configurations. RAID control is done in the ARAID hardware.

ARAID 3000 RAID 1 Disk Mirroring



ARAID 3000 and 1000L Comparison

The ARAID 1000L is Accordance's legacy EIDE solution and has thousands of installations worldwide. The ARAID 3000 is intended to bridge the gap for companies currently using the 1000L tied to an EIDE controller who've found that the selection EIDE drives is narrowing or even disappearing. The 3000 connects to an EIDE controller, but uses readily available SATA drives. Accordance protects your investment in the 3000. When you're ready to update to a SATA controller, the 3000 grows with you. In addition to the EIDE controller port, the 3000 also includes a SATA port. The 3000 follows you unchanged through two generations of controllers. For customers considering upgrading to the 3000, we offer the following comparison:

1. Smaller unit body for a better fit in tight PC cases. The 3000 is two inches short than the 1000L., making it a great fit in smaller cases.
2. Native support for SATA drives.
3. The back of the trays are now open allowing the drives to connect directly to the controller board. Fewer mechanical connections results in greater reliability.

4. Onboard multiple controller support, including SATA and EIDE, are all supported.
5. Multi-processor design includes an ARM7 CPU and dedicated Silicon Image RAID controller for maximum performance and reliability.

SNMP Management

Accordance provides an SNMP Agent (Simple Network Management Protocol) for the ARAID TM200. 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.

Compatible Operating Systems

- Windows: Server 2000/2003/2008, XP, 2000 Professional, Windows 7
- MacIntosh: OS9 and above
- Linux: Red Hat, Fedora, 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>I/O</u>
153-0001-MB	Internal ARAID 3000 SATA Controller	SATA, eSATA, USB Metal



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