

Prevent Data Loss Due to Hard Drive Failure with **Armor RAID™ Solutions**

The Challenge

Businesses are constantly challenged by a growing list of threats to their computer systems and data integrity. Without proper planning and preparation, businesses can easily fall victim to one of these threats, often with devastating consequences.

A data loss or computer system catastrophe can strike at any time. Causes include hardware failure, software errors, attacks from viruses and spyware, user error, a disgruntled employee, theft, acts of nature, fire, terrorism, and any number of other potentially destructive events.

A hard drive failure can result in the interruption of normal business activities, and recovery often involves not only extra IT costs, but also lost sales, reduced employee productivity, and an adverse effect on business reputation. A hard drive crashes every 15 seconds, and even more disturbing is the fact that many businesses rarely or never back up their hard drives at all.

The potential cost of recovery can soar well beyond what may be expected. Disaster recovery planning is paramount to ensuring that hard drives are protected at all times. Businesses need a solution to avoid the consequences of a hard drive failure by employing disk mirroring to protect systems against the threat of critical data loss.

The Solution

The best way to protect your system from data loss and downtime is to implement redundant data storage by placing the same data on multiple drives. ArmorCore® Technologies' easy-to-use and cost-effective Armor RAID™ disk mirroring solution duplicates data in real-time. In the event of a drive failure, the system continues to operate with no loss of data and no downtime.

Since data is constantly mirrored between the two drives, one drive can be removed and repaired in the event of a disaster with no processing interruption. The system continues to function normally, making all data accessible and protected. When one of the drives fails, Armor RAID can automatically send a message to the user or IT administrator alerting them of the event. When the drive is repaired and reinserted, Armor RAID quickly recognizes it and begins automatically copying data from the surviving drive to the new drive—all while experiencing no system downtime.

In today's competitive business environment, companies simply can't afford the time and costs associated with data loss or system interruption. Armor RAID combines reliability, ease-of-use, and affordability to reduce risks, system downtime, and IT management costs. The ArmorCore solution provides constant access to critical data for continuity in day-to-day business operations, ensuring data protection 24 hours a day, 7 days a week, 365 days a year.

ArmorCore Technologies will help you during every step of the sales process. We will provide:

- **All of the necessary tools, documentation, and support**
- **Education and information** on data storage, security, and data protection issues
- A suite of product offerings, including **data backup and recovery, storage, encryption, compliance, and more**

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With the Armor RAID solution:

- Data access is continuous with disk mirroring on two disks that keep identical copies of data
- No additional hardware or software is required
- Data is completely protected simply by connecting to any IDE or SATA port
- Installation is quick and easy—your data is protected in less than five minutes
- Each disk is mounted in removable, hot swappable trays so disks can be removed easily for offsite storage needs
- Trays provide easy removal and drive replacement
- Alerts can be received via LCD alarms, audible alarms, email, pagers, etc.
- Preferences are customized, including internal or external, interface, composition, color, and number of trays
- No additional drivers are required
- The backup drive can be changed during operation to enable offsite storage capabilities

The Technology

“The performance measured certainly reaches the level that an individual hard drive achieves. The ARAID 2000 is supposed to enable a simple and easy entry into a secure RAID 1 environment, and the manufacturer, no doubt, achieved this goal.”¹

Armor RAID utilizes proven and easy-to-use technology to create a total data protection solution. It provides twice the read transaction rate and the same write transaction rate as single disks, and 100% data redundancy means that the system does not need to be rebuilt in the event of disk failure. Armor RAID's redundant data storage capabilities substantially increase system capacity, data security, and performance while eliminating downtime

The Company

ArmorCore provides comprehensive disaster recovery solutions for individuals, small- and medium-sized businesses, and IT departments. Our backup and recovery products feature state-of-the-art technology that protects the integrity of critical data, minimizes downtime, and ensures continuity of operations. We recognize the vital nature of your data assets. We are, therefore, committed to developing robust, transparent, and easy-to-use solutions that eliminate the possibility of catastrophic information loss.

Minimum System Requirements

CPU Support	PC-compatible computers utilizing Pentium II, III, IV or other Pentium-equivalent processors
Supported Operating Systems	Windows® Server Family 2000, 2003, NT, 2000, XP Workstation, Windows 95/95-OSR2, 98/98SE/ME Macintosh OS9 and above Linux Red Hat, SUSE, Slackware, Debian, Mandrake DOS 6.22 SCO UNIX System V Novell Netware Sun Solaris BSD OPENBSD, NETBSD, BSDI, FREEBSD (for USB and FireWire interface systems)
Power	Operates on standard +5V and +12V power supplies
Drives	Standard IDE/EIDE hard drives and interfaces (if IDE product is selected) SATA hard drives or SATA interfaces (if SATA product is selected)



¹ Patrick Schmid and Achim Roos, October 26, 2004, Tom's Hardware Guide: http://www.tomshardware.com/2004/10/26/security_with_ease/page9.html



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