



PATA/SATA RAID1+Backup Kit

ACS-76500/76510

Product Highlights

PATA/SATA Host Interface

The ACS-76500/76510 RAID kit connects directly to host computers via standard and pervasive ATA interface. It needs no add-on card and extra driver, and thus consumes no PCI bus slot or other system resources. This reduces the total cost of ownership and simplifies the installation and maintenance. It is also the best solution for enhancing the reliability of existed systems by replacing hard disks with the RAID kit.

PATA/SATA Disk Interface

Using the lowest-cost, highest-capacity, and most available ATA hard disks, the ACS-76500/76510 RAID kit is the most cost-effective hardware RAID solution in the market. As ATA hard disks have been largely improved in the recent years, the ATA-based RAID kit can also achieve higher performance than ever.

Hardware-aided RAID and Backup

Equipped with ASIC-based hardware for disk-mirroring and split-mirror snapshot, the ACS-76500/76510 RAID kit delivers good IO performance and provides efficient operations, such as fast disk rebuilding and on-line data recovery for bad sectors. Because all functions are implemented in the hardware, it is the best choice for platforms where installing and maintaining software is not preferred.

Support Microsoft VSS

In addition to GUI for remote monitoring and for configuring backup schedules, a proprietary VSS agent is provided with the RAID kit. This ensures the consistency of backup data without the need to stop the applications.

Product Overview

The ACS-76500/76510 RAID kit is an internal RAID solution of three disks, providing PATA-

PATA or SATA-SATA interfaces. In addition to having two disks for standard RAID 1 function, it has another disk for the backup function. Users can set up schedules to retain the data on the backup disk and create periodical backup-data images.

Superior D2D Backup

The ACS-76500/76510 RAID kit is a D2D (disk-to-disk) backup solution, simplifying backup tasks with lowest cost. Contrary to tape-based or software-based backup solutions, the backup can be completed within seconds and with very little impact to the applications because of its split-mirror technology and hardware-based approach. Users can quickly set up a backup solution without having to learn sophisticated software and tape drives.

Simple, Effective, and Efficient DR solution

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The backup disks in the ACS-76500/76510 RAID kit can be transported to a secondary site. When the primary site is down, the backup disks can be used to resume the systems in the secondary site. Because the backup disk keeps full image of original disk, it can be used not only for restoring data but also for activating a standby server. This scenario needs no complicated procedure or expensive software/hardware, so a simple, effective, and efficient DR (Disaster Recovery) solution for small-size servers can be built upon the RAID kit.

Easy System Integration

The ACS-76500/76510 RAID kit can be installed and operated regardless of what operating systems and computer architectures to be used. System integrators can use single RAID solution on different platforms and applications. This simplicity leads to wide adoption of this series of products.

Technical Specifications

Product Features

- Hardware-based RAID 1 and backup
- Support PATA/SATA host interface
- Support PATA/SATA disk interface
- Driverless: need no driver on host side
- Hot swappable hard disks
- Master or slave selectable for PATA host interface
- Automatically on-line data rebuilding
- On-line bad sector recovery
- Key lock security against unauthorized access
- LED indicators for disk status display
- Event notification through audible alarm or e-mail
- Fan cooler
- Java-based GUI for system status monitoring
- Manual or periodical backup via GUI
- Open API for proprietary GUI and integration
- Support Microsoft VSS

Physical and Environment Specifications

Dimensions:

8.84 (L) x 5.75 (W) x 3.35 (H) inch
224 (L) x 146 (W) x 85 (H) mm

Power Requirement

+ 5.0V DC, tolerance : ±5%
+12.0V DC, tolerance : ±8%

Temperature

Operation mode : 5°C to 40°C
Non operation mode : -25°C to 60°C

Humidity

Operation mode : 5% to 85% non-condensing
Non operation mode : 5% to 95% non-condensing

Acoustic

< 35 dB

MTBF

MTBF: > 300,000 POH

Certification Compliance

FCC class B, CE, UL approval

Ordering Information

PATA-PATA solution:

ACS- 76500

Support PATA host interface and three 3.5" PATA HDDs

SATA-SATA solution:

ACS- 76510

Support SATA host interface and three 3.5" SATA HDDs

Warranty

1 year Warranty



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