



PATA/SATA RAID 1 KIT

ACS-7500/7510/75170

PRODUCT HIGHLIGHTS

PATA/SATA Host Interface

The ACS-75xx series 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-75xx series 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

Equipped with ASIC-based hardware for disk-mirroring, the ACS-75xx series RAID kit delivers good IO performance and provides efficient operations, such as fast disk rebuilding and on-line data recovery for bad sectors. It can automatically detect drive failure and notify users via front panel and buzzer immediately. The faulty drive can be on-line replaced without any impact being aware by the applications.

Web-based GUI

The ACS-75xx series RAID kit is bundled with GUI software, by which users can easily monitor the RAID status from web browsers at a remote site. This largely eases the efforts of maintenance. The API of the RAID kit is

also available for system integrators to develop proprietary GUI or to integrate RAID monitoring with other management frameworks.

Product Overview

The ACS-75xx series RAID kit is an internal RAID solution of two disks, providing PATA-PATA or SATA-SATA interfaces. Data is written simultaneously and securely to both disks, thereby maintaining a constant mirror of data. Because the mirroring is done transparently at the block level, it works with all types of data and drive format as well as partitions schemes.

RAID for Reliability and Performance

In addition to RAID protection, data availability is furthered by features such as hot swappable disks, automatic disk rebuild, and bad sector recovery. It is well-suited for high-performance PCs, cost-effective network attached servers, PC gaming systems, home media servers, and industry automation control systems.

Compatibility Guaranteed

To ensure best compatibility, the ACS-75xx series RAID kit not only complies with latest industry standards, but also has been tested rigorously with various types of systems and devices. This helps system integrators have a wide range of purchase choices.

Easy System Integration

The ACS-75xx series 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
- 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
- Open API for proprietary GUI and integration

Physical and Environment Specifications

Dimensions:

ACS-7500/ACS-75170

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

ACS-7510

5.78 (L) x 4.01 (W) x 0.98 (H) inch
147 (L) x 102 (W) x 25 (H) mm

Power Requirement

+ 5.0V DC, tolerance : ±5%
+12.0V DC, tolerance : ±10%

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, C-Tick, UL approval

Ordering Information

PATA -PATA solution:

ACS- 7500

Support PATA 133 host interface and two 3.5" PATA HDDs

ACS-7510

Support PATA 133 host interface and two 2.5" PATA HDDs (no hot-swap)

SATA-SATA solution:

ACS- 75170

Support SATA host interface and two 3.5" SATA HDDs

Warranty

1 year Warranty



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