



# PATA/SATA RAID 0,5 KIT

ACS-7630/ACS-76130

## PRODUCT HIGHLIGHTS

### **PATA/SATA Host Interface**

The ACS-7630/76130 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.

### **PATA/SATA Disk Interface**

Using the lowest-cost, highest-capacity, and most available ATA hard disks, the ACS-7630/76130 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**

Because the ACS-7630/76130 RAID kit is built upon proprietary ASIC for on-line processing data striping and parity calculation, it delivers excellent IO performance and provides efficient operations, such as fast disk rebuilding and on-line data recovery for bad sectors. As it requires no extra CPU computing power or memory bandwidth on the host systems, the overall performance is largely improved.

### **Web-based GUI**

The ACS-7630/76130 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-7630/76130 RAID kit is an internal RAID solution of three disks, providing PATA-PATA or SATA-SATA interfaces. It supports RAID 0 and RAID 5, selectable by users according to different needs of applications. It fulfills requirements of throughput demanding and data intensive applications while guarding the system against hard drive failure.

### **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-7630/76130 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-7630/76130 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.

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## Technical Specifications

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### Product Features

- Hardware-based RAID 0 and RAID 5
- 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 and remapping
- 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

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## Physical and Environment Specifications

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### Dimensions:

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

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### Power Requirement

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

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### Temperature

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

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### Humidity

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

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### Acoustic

< 35 dB

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### MTBF

MTBF: > 300,000 POH

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### Certification Compliance

FCC class B, CE, UL approval

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## Ordering Information

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### PATA-PATA solution:

ACS- 7630

Support PATA host interface and three 3.5" PATA HDDs

### SATA-SATA solution:

ACS- 76130

Support SATA host interface and three 3.5" SATA HDDs

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### Warranty

1 year Warranty



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