

# araid<sup>®</sup> 5000

## Non-Stop RAID 1 Controller

**FIRST**

*Supports enterprise-level management through SNMP.*

- Host interface: SATA III (6.0 Gbps).
- Plug and play, no drivers needed.
- Supports disk hot-swapping and auto-rebuilding.
- 6 cm silent cooling fan.
- RAID levels: RAID 1, RAID 0.
- ARAID EYE PLUS all-in-one monitoring software.
- Scheduled backup function (optional).



### RAID 1 VS RAID 0

**RAID 1**

**Safe Mode** Total Capacity **8 TB**

**Capacity:**

Master drive 8TB +  
Secondary drive 8TB  
= 8TB

**Recommendation:**

Use as System Drive  
or Data Drive

RAID 1 combines two hard drives into one hard drive. The secondary drive is used as a mirror drive of the master drive. All data written onto the master drive will be copied onto the secondary drive. If the master drive fails, there is a complete backup of the data on the secondary drive, and it can replace and work as the master drive immediately. RAID 1 offers the greatest data security.



**RAID 0**

**Speed Mode** Total Capacity **16 TB**

**Capacity:**

8TB + 8TB = 16TB

**Recommendation:**

Use as Data Drive

RAID 0 combines two hard drives into a hard drive with doubled capacity. When data is written, it is scattered onto the two drives; when data is read, it is acquired from the two drives simultaneously. RAID 0 has the advantage of faster data access, but it offers no data security. If one of the drives fails, all data on both drives will be completely lost.



**Never let a failed drive stop your systems again.**

Pri HDD : OK  
Sec HDD : OK

Two good drives

Pri HDD : OK  
Sec HDD : Fail

One drive failed

Pri HDD : OK  
Sec HDD : OFF

Remove failed drive

Rebuilding...  
Pri → Sec 02%

Insert new drive  
& start disk rebuilding

Rebuilding...  
Pri → Sec 02%

Rebuilding...  
Pri → Sec 20%  
Rebuilding in  
progress (20%)

Pri HDD : OK  
Sec HDD : OK

Rebuilding  
complete

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SATA III (6.0 Gbps)



ARAIID 5000 Specifications	
Host Interface	SATA III (6.0 Gbps), compatible with SATA I (1.5 Gbps) and SATA II (3.0 Gbps)
Disk Drive Interface	SATA III (6.0 Gbps) x 2
RAID Levels	RAID 1, RAID 0 (can be set by the user)
LCD	Displays ARAID and disk drive status: Cooling fan alert, temperature alert, rebuilding progress, and drive failure
LED Indicators	Disk drive read and write status
Disk Drive Failure Alerts	LCD, LED, buzzer, email, and SNMP trap notifications
Single/Dual Switch	Mirror-on-Demand function (allows manual disk rebuilding). Protects data in the secondary disk from accidental deletion and viruses.
Cooling Fan	6 cm silent cooling fan
Drivers	None required
Disk Hot-Swapping	Supported
Supported OS	Windows (11/10/7/XP), Linux, Mac, Solaris, SCO Unix, NetWare, DOS, etc.
Dimensions	Internal Model: 146 mm (W) x 86 mm (H) x 195 mm (D). Standard 5.25" drive bay x 2 External Model: 183 mm (W) x 156 mm (H) x 240 mm (D)
Weight (without disk drive)	Internal Model: approx. 0.7 kg External Model: approx. 2.68 kg
Power Consumption (without disk drive)	Internal Model: 2.84W External Model: approx. 5.14W ~ 7.32W (depending on model)
Power Supply	Internal Model: Dual power (LP4 4-pin power connector x 1, SATA power connector x 1) External Model: AC 100V ~ 240V
Package Contents	ARAID 5000 x 1
	HDD Tray x 2
	RS232 to USB Cable x 1
	RS232 Output Cable x 1, RS232 Input Cable x 1
	Accessory bag (Chassis screws x 8, HDD tray screws x 8, Keys x 4)
	CD (includes ARAID EYE PLUS, ARAID SNMP Agent, ARAID S.M.A.R.T software and utilities)
	User manual



## ACCORDANCE

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