araid® *3500/S3500*

A Non-Stop RAID 1 controller

Pioneer *Support Enterprise SNMP Agent Management*

- Host Interface: SATA ll (3.0Gbps), compatible with SATA lll
- Plug and Play, No Driver Needed
- Support Disk Hot-Swap and Auto-Rebuild
- 6cm Japan Made Silent & Powerful Cooling Fan
  (5 year warranty)
- RAID 1 or RAID 0 mode
- ARAID SMART monitoring system
- S3500 model enable HDD's security feature

RAID 1   VS   RAID 0

RAID 1

Capacity:

Master drive 4TB +

Secondary drive 4TB = 4TB

Recommendation:

Use as System Drive or

Data Drive

Safe Mode
Total Capacity *4TB*

RAID 1 combines two hard drives into one hard drive; the secondary drive is used as a mirror drive of the master drive. All the data written onto the master drive will also be copied onto the secondary drive; therefore if the master drive fails, there is a complete backup on the secondary drive which is able to replace and work as the master drive immediately. That's why RAID 1 has the best data safety

RAID 0

Capacity:

4TB + 4TB = 8TB

Recommendation:

Use as Data Drive

Speed Mode
Total Capacity *8TB*

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

YEAR **2014** BEST

A failed hard disk can never let you down again.

| Pri HDD : OK | Pri HDD : OK | Pri HDD : OK | Rebuding . . . | Rebuilding. . . | Pri HDD : OK |
| Sec HDD : OK | Sec HDD : Fail | Sec HDD : OFF | Pri ➡ Sec 02% | Pri ➡ Sec 02% | Sec HDD : OK |

Rebuilding . . .
Pri ➡ Sec 20%

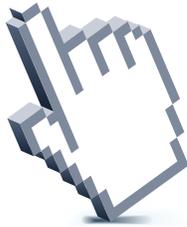| Two good drive | One drive failed | Remove failed drive | Insert new drive & start disk rebuild | Rebuild in progress (20%) | Rebuild complete |

araid® *3500/S3500*

ONE-STEP Installation, easy operation

It can be used without the need of any drivers; once it is installed, the BIOS will detect this unit as a single hard drive and it can be used immediately. The condition and accessing of the hard drive are indicated by LED indicators and LCD backlight monitors; when any of the hard drives fail, the buzzer will automatically sound the alarm. When a new hard drive is replaced, the automatic rebuilding progress will be displayed on the LCD; the computer or equipment can continue to be used without the need of shutting it down.

ARAID SMART monitoring and management platform; take full control of hard drive and array statuses

The ARAID SMART monitoring and management platform is provided for Windows users, which has four major system modules including ARAID EYE unit management functions, ARAID SNMP network management functions, hard drive S.M.A.R.T. detection and warning functions, and ARAID Utility settings and management functions etc. It also comes in multi-language to satisfy various types of users to monitor the system's hard drive and array status directly through ARAID SMART. When the hard drive S.M.A.R.T. detection gives warnings, it will use sound, E-mail, or SNMP to notify the user that the hard drive is starting to have bad sectors. Therefore, the user can be aware of it sooner and exchange it as soon as possible, instead of waiting until the hard drive is determined to have failed before giving off the warning; this best guarantees data safety.
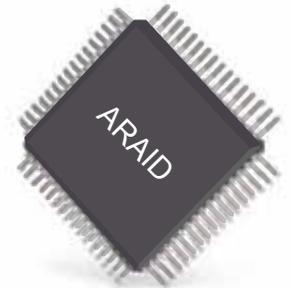
Aluminum Casing with Silent Fan made in Japan strengthens cooling effects and prolongs hard disk life

The casing of ARAID 3500 is made completely of aluminum; the material is light and has great cooling coefficient, along with a 6cm powerful silent fan made in Japan (5 year warranty), are able to effectively discharge the heat generated when the hard disk is operating at high speed, allowing the hard disk to maintain normal working temperature and prolonging its lifespan.

Built-in high speed chipset for faster processing performance

ARAID 3500 includes the super-fast speed ASIC and CPU, RAM and ROM; it will not take up system resources or execution performance. It is better than other software array modules and is able to guarantee that all data is completely written onto both hard drives under multitasking and close to zero-day demands. By using the patented DIP switch, it can be easily set as single drive access or turn on the simultaneous backup function on both hard drives; the flexible configuration of hard drive access can avoid both hard drives from being infected by viruses simultaneously and causing data damage.

Hard disk tray safety lock plus hard drive Security functions significantly increases safety

The ARAID series products have original design trays with safety locks, and the S series is equipped with hard drive Security lock function, so any removed hard drive from S series cannot be accessed on any average computers; this puts user's mind at ease for data storage and maintenance. If there is the need for hard drive off-line backup operations, users can choose to purchase more hard disk trays; this saves the time to reinstall the operating system and enhances work efficiency.

Compatible interface with external models

ARAID 3500 supports SATA II (3.0Gbps), and is compatible with SATA III; it supports SSD (solid state drives) and the maximum capacity supported is SATA III 4TB hard drives. It provides SCSI and IDE bridge interfaces and has an external model T3500 available for optional purchase.

araid® 3500/S3500

SATA

ARAID 3500 Specification	
Host Interface	SATA ll (3.0Gbps), compatible with SATA lll (6.0Gbps) and SATA l (1.5Gbps)
Hard Drive Interface	3.5 inch SATA III (6Gbps) x 2
RAID Level	RAID 1 or RAID 0 (User can set manually)
Front Panel LCD	Displays status of system, hard drive, cooling fan and temperature information
LED Indicator	Shows hard disks READ or WRITE status
Hard Drive Fail Alert	LCD, LED, Buzzer, Email and SNMP Trap Notifications
Single/Dual Switch	Mirror-on-Demand function, rebuild disk manually, which can protect standby hard disk accidental data deletion and anti-virus function
Cooling Fan	6cm powerful and silent cooling fan (Made in Japan)
No Driver	Yes
HDD Hot-Swap	Yes
OS Support	Windows, Linux, Mac, Solaris, SCO Unix, NetWare, DOS etc.
Dimension	Internal Model: standard 5.25" drive bay. 146 mm(W) x 86 mm(H) x 195 mm(D) External Model: 180mm(W) x 150mm(H) x 240mm(D)
Weight	Internal Model: approx. 0.7kg External Model: approx. 2.6kg
Power Supply	Power consumption of Internal model (without HDD) is approx. 5.14W ~ 7.32W (depend on model). Power consumption of External model is approx. 63W.
Package Include	ARAID 3500 x 1
	RS232 to USB Cable x 1
	RS232 External Cable x 1, RS232 Internal Cable x 1
	Accessory bag (chassis screws x 8, HDD tray screws x 8, keys x 4)
	CD disk (ARAID Eye, ARAID SNMP, ARAID SMART software)
	User manual