araid® 5200

A Non-Stop RAID 1 controller

Pioneer *Support Enterprise SNMP Agent Management*

- Host Interface: SATA III (6.0Gbps), compatible with SATA II
- Plug and Play, No Driver Needed
- Support Disk Hot-Swap and Auto-Rebuild
- 6cm Japan Made Silent & Powerful Cooling Fan (5 years warranty)
- RAID 1 or RAID 0 mode
- ARAID SMART monitoring utility

RAID 1 VS RAID 0

RAID 1

Capacity:
Master drive *8TB* +
Secondary drive *8TB* = *8TB*

Recommendation:
Use as System Drive or Data Drive

Safe Mode **Total Capacity 8TB**

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:
8TB + *8TB* = *16TB*

Recommendation:
Use as Data Drive

Speed Mode **Total Capacity 16TB**

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.

A failed hard disk can never let you down again.

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Pri HDD : OK	Pri HDD : OK	Pri HDD : OK	Rebuilding...	Rebuilding...	Pri HDD : OK
Sec HDD : OK	Sec HDD : Fail	Sec HDD : OFF	Pri ➡ Sec 02%	Pri ➡ Sec 02%	Sec HDD : OK
Two good drive	One drive failed	Remove failed drive	Insert new drive & start disk rebuild	Rebuilding... Pri ➡ Sec 20% Rebuild in progress (20%)	Rebuild complete

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SATAIII(6.0 Gbps)

ARAID 5200 Specification

Host Interface	SATA lll (6.0Gbps), compatible with SATA ll (3.0Gbps)
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 x 2. 146 mm(W) x 86 mm(H) x 195 mm(D) External Model: 183mm(W) x 156mm(H) x 240mm(D)
Weight (without HDD)	Internal Model: approx. 0.7kg External Model: approx. 2.68kg
Power Consumption	Internal model (without HDD): approx. 5.14W ~ 7.32W (depend on models). External model: 63W.
Power Supply	Internal Model: Dual Power (Traditional Large 4-pin Power Socket x 1 & SATA Power Socket x 1) External Model: AC 100V ~ 240V
Package Include	ARAID 5200 x 1
	RS232 to USB Output 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 disk (ARAID Eye, ARAID SNMP, ARAID SMART utilities)
	User manual