

4200 2Gb FC-SATA RAID



Bringing cost-effective, high capacity SATA storage to the near-line market

The demand for data storage is exploding. The need to deliver low cost, high capacity storage, yet still provide enterprise-quality performance and reliability, has never been greater.

Designed to meet the needs of today's business-critical applications, the 4200 combines existing Fibre Channel technology with cost-competitive ATA. A single or dual Fibre Channel front end allows for easy integration into existing Fibre Channel infrastructures, and enables full SAN support. Built around Xyratex's existing RS-1600 family of enclosures, the 4200 incorporates the same rigidity, backplane, electrical and cooling technology as our enterprise-class, full-Fibre solution. All components, including the 16 drives, are hot-pluggable, and reliability is further enhanced

Features

- Single or Dual Active/Active RAID Controllers
- RAID 0, 0+1, 3, 5, 20, 30, 50
- Enterprise class reliability and scalability
- High package density with 4.8TB in 3U rack mountable unit
- Fully redundant hot-swappable components
- SAN Ready
- Supports up to six 4200 JBOD expansion units

through the use of a switching interposer card that allows for support of dual pathing on each drive.

Shipping today with native Serial-ATA drives, the 4200 takes advantage of low cost commodity SATA drives and drive size to redefine near-line storage. SATA sets a new standard in scalable storage, being the first disk technology to compete head to head with the cost of tape automation.

Targeted at customers with large data storage demands, the 4200 is ideally suited for near-line solutions where cost, reliability and performance concerns are of the utmost importance. Bandwidth customers can now maximize storage efficiency and allocation, while protecting mission-critical applications and cutting rebuild and load times when processing large data files.

Technical Specification

Product code:	4200	
Order code:	RA-1602-726X	
Controller:	Single/dual controller 72 hr battery support (512MB) Dual port FC drive emulation Up to 1GB cache per controller	
Performance:	Up to 380MB/s dual controller	
Drives supported:	16 SATA per enclosure: 250GB, 320GB & 400GB; SES support	
RAID support:	0, 0+1, 3, 5, 10, 50	
External interface:	Dual host port with single expansion per port, all using SFPs	
Device types supported:	SATA or PATA drives with dual ported path switch card (1 per drive)	
Hot-pluggable components:	PSU/Cooling module, disk drives, RAID modules, bridge modules	
Dimensions	Height: (3 EIA Units)	130mm (5.12")
	Width: (1EC Rack Compliant)	447mm (17.6")
	Depth:	551mm (21.7")
Altitude	Weight:	37Kg (81 lbs)
	Operational:	0 to 2133m
	Non-operational:	-305 to 12,192m

Power	Voltage:	110 to 240V
	Frequency:	60/50 HZ
	Power consumption:	450W
	Operational current:	4/2 A
Temperature & Humidity	Temp. Range: (Operating)	+5 to +40°C
	Humidity non-condensing:	20% - 80%

Shock & Vibration	
Operational Shock:	5g 10ms 1/2 Sine
Operational Vibration:	Random 0.21grms 5-500Hz
Non-operational Shock:	30g 10ms 1/2 Sine
Non-operational Vibration:	Random 1.04 grms 2-200 Hz
Relocation Vibration:	Swept Sine 0.3g 2-200Hz

Acoustics	Sound Power Operating:	< 58 dB LpA @20°C
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Warranty

Enclosures with SATA drives: 3 years

Please contact Xyratex for detailed warranty information.

Approvals

UL and cUL listed. Tested to UL 60950.

FCC Class A.

Certified Body Certificate & Report to IEC60950.

CE marked to the requirements of the Low Voltage Directive 73/23/EEC and the Electromagnetic Compatibility Directive 89/336/EEC.

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