

# 4200 2Gb FC-SATA JBOD



**Xyratex's new FC to SATA JBOD enclosure provides high availability, high performance data storage to customers concerned with scalability in a budget conscious environment.**

The 4200 JBOD is part of the Xyratex series of FC-SATA storage solutions designed to integrate Fibre Channel connectivity with cost-efficient SATA drive technology. Ideally suited for use under proprietary RAID controllers or NAS heads, the 4200 JBOD enables customers to leverage their existing Fibre Channel, SAN or NAS infrastructure at an attractive cost point.

Xyratex's innovative JBOD design uses an advanced FC-SATA silicon storage router chip embedded in the bridge controller. This enables the controller to communicate with each disk individually, providing the customer with maximum configuration flexibility. The system is available in three configurations: single, dual active, and dual independent. On the single and dual active controller versions, throughput performance is sustained at 380MB/s; a

## Features

- Single, Dual Independent and Dual Active/Active Controller modes
- True Enterprise class reliability, availability & performance
- High package density with over 6TB storage capacity in 3U rack mountable unit
- Fully redundant hot-swappable components
- SAN Ready

simple switch reset moves the controller from dual active to dual independent mode, and increases throughput to 760MB/s.

The 4200 JBOD offers 8TB of data storage capacity per enclosure, and features the same rigidity, electrical cooling and backplane technology found in Xyratex's enterprise class, full fibre JBOD solutions. All components are hot swappable, and reliability is enhanced at the drive level by the use of a switching interposer card, allowing for dual pathing at the drive level. Enclosure management and service functionality are embedded in the system hardware, ensuring simple communication and error notification between enclosure and host.

As data demands increase and budgetary requirements tighten, the 4200 JBOD allows customers high-quality, cost-conscious scalability, and provides maximum return on investment. It is the ideal solution for secondary storage environments where reliability, flexibility and cost are of paramount concern.

## Technical Specification

<b>Product code:</b>	<b>4200 JBD</b>	
<b>Order code:</b>	RA-1602-1216-JBD	
<b>Controller:</b>	Single/dual active/dual independent bridge controllers Dual port FC drive emulation	
<b>Performance:</b>	Up to 760MB/s (dual independent controller)	
<b>Drives supported:*</b>	16 ATA (IDE) per enclosure: 250GB, 320GB, 400GB & 500GB; SES support	
<b>RAID support:</b>	JBOD	
<b>External interface:</b>	Dual host port dual expansion: optical SFP	
<b>Device types supported:</b>	SATA or PATA drives with dual ported dongle (1 per drive)	
<b>Hot-pluggable components:</b>	PSU/Cooling module, disk drives, controllers, bridge modules	
<b>Dimensions</b>	<b>Height:</b> (3 EIA Units)	130mm (5.12")
	<b>Width:</b> (1EC Rack Compliant)	447mm (17.6")
	<b>Depth:</b>	551mm (21.7")
<b>Altitude</b>	<b>Weight:</b>	37Kg (81 lbs)
	<b>Operational:</b>	0 to 2133m
	<b>Non-operational:</b>	-305 to 12,192m

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

### Shock & Vibration

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

<b>Acoustics</b>	<b>Sound Power Operating:</b>	< 58 dB LpA @20°C
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### Warranty

**Enclosures with SATA drives:** Up to 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.

\* Additional drive types and capacities will be qualified as new releases are made. For a full list of supported drives, please contact your account or sales manager.

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