

2Gb FC-SATA JBOD

RA-1602-1216-JBD

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.

• Innovative and Cost Effective

The RA-1602-1216-JBD 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 RA-1602-1216-JBD 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 simple switch reset moves the controller from dual active to dual independent mode, and increases throughput to 760MB/s.

• Industry-Leading Enclosure

The RA-1602-1216-JBD offers 16TB 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 RA-1602-1216-JBD 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.



Features

- Single, Dual Independent and Dual Active/Active Controller modes
- True Enterprise class reliability, availability & performance
- High package density with up to 16TB storage capacity in 3U rack mountable unit
- Fully redundant hot-swappable components
- SAN Ready

2Gb FC-SATA JBOD

RA-1602-1216-JBD

• Technical Specification

General Information

Order Code	RA-1602-1216-JBD
Controller	Single/dual active/dual independent bridge controllers. Dual port FC drive emulation
Performance	Up to 760MB/s (dual independent controller)
RAID Support	JBOD
External Interface	Dual host port dual expansion: optical SFP
Hot Swappable Components	PSU/Cooling module, disk drives, controllers, bridge modules

Disk Drives

Disk Drives Supported	For a full list of supported drives, please contact your account or sales manager
Device Types Supported	SATA drives with dual ported dongle (1 per drive)
Max Drives per Enclosure	16

Dimensions

Height	130mm (5.12") 3 EIA Units
Width	447mm (17.6") IEC Rack Compliant
Depth	551mm (21.7")
Weight	37Kg (81lbs) with drives

Altitude, Power and Temperatures

Operational Altitude	0 to 2,133m (0 to 7,000')
Non-Op. Altitude	-305 to 12,192m (-1000 to 40,000')
Voltage	100 to 240V AC
Frequency	60/50Hz
Number of Power Supplies	2
Power Supply Rating	450W
Operational Current	4/2A
Temperature	+5°C to +40°C operating
Humidity	20% to 80% non-condensing

Shock and Vibration

Operational Shock	5g 10ms ½ Sine
Operational Vibration	Random 0.21g 5-500Hz
Non-Op. Shock	30g 10ms ½ Sine
Non-Op. Vibration	Random 1.04g 2-200Hz
Relocation Vibration	Swept Sine 0.3g 2-200Hz
Acoustics	Sound Power Operating: $=L_{wa}$ 6.3 Bels (re 1pW) @ 23° C

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.

Warranty Information

Enclosures with drives Up to 3 years. Please contact Xyratex for detailed warranty information.

Environmental Standards



ISO 14001: 2004 Cert No. EMS91560



USA Sales & Support

T +1 877 997 2839
T +1 877 XYRATEx

UK HQ

T +44(0)23 9249 6000
F +44(0)23 9245 3654

©2009 Xyratex (The trading name of Xyratex Technology Limited). Registered in England & Wales. Company no: 03134912. Registered Office: Langstone Road, Havant, Hampshire PO9 1SA, England. The information given in this brochure is for marketing purposes and is not intended to be a specification nor to provide the basis for a warranty. The products and their details are subject to change. For a detailed specification or if you need to meet a specific requirement please contact Xyratex: www.xyratex.com.