

RA-1602-JBD



Bringing cost-effective, high-capacity SATA storage to the near-line market, Xyratex introduces the RA-1602-JBD enclosure.

The demand for data storage is exploding! New technology requires unprecedented capacity growth from storage providers. The need to deliver ultra high-capacity storage in a cost effective way has never been greater.

Designed to meet the challenge of today's high-capacity storage demands, the RA-1602-JBD product blends Fibre Channel technology with cost effective SATA, and is ideally suited for use under external RAID controllers or proprietary NAS heads. A single Fibre Channel front-end allows for seamless integration into an existing FC infrastructure, thereby ensuring full SAN support. Built around Xyratex's existing RS 1600 product family, the RA-1602-JBD enclosure features the same stiffness, rigidity, backplane, electrical and cooling technology found on our Enterprise-class, full Fibre solution. All components are hot-pluggable, including the 16 drives, and reliability

Features

- Enterprise class reliability and scalability
- Fibre Channel front end
- High package density with nearly 5TB in 3U rack mountable unit
- Redundant hot-swappable components
- SAN Ready

is enhanced with the use of a switching interposer card, allowing for full support of dual pathing on each drive.

Shipping today with both native Serial-ATA and Parallel-ATA drives, the RA-1602-JBD takes full advantage of low-cost commodity IDE drives and drive size to reshape the definition of near-line storage. SATA sets a new price point in scalable storage, offering over 28 TB in a single floor tile, and is the first disk technology to compete head to head with the cost of tape automation.

Targeted at customers with extremely large data storage demands, the RA-1602-JBD product is the perfect answer for near-line solutions where cost concerns are paramount.

Technical Specification

Product code:	RA-1602-JBD (FC-SATA-JBOD)
Controller:	Single bridge controller 1 X 1 configurations 128-FIXED cache No battery support
Performance:	Up to 185 MB/s
Drive support:	Western Digital 250GB S-ATA Maxtor 300GB P-ATA * Each drive is viewed as a target * SES Management Behind the Drive
Device types supported:	S-ATA or P-ATA with dual ported dongle (1 per drive)
External interface:	Single FC: optical SFP Expansion: HSSDC2
Hot-pluggable components:	Dual power supply/cooling modules; disk drives

Dimensions

Height: (3 EIA Units)	130mm (5.12")
Width:	447mm (17.6")
Depth:	551mm (21.7")
Weight:	30.5Kg (81 lbs)

Power

Voltage:	110 to 240V
Frequency:	60/50 HZ
Power:	450W
Operational current:	4/2A

Temperature & Humidity

Temperature Range: (Operating)	+5 to +40°C
Humidity non-condensing:	20% - 80%

Altitude

Operational:	0 to 2133m
Non-operational:	-305 to 12,192m

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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www.xyratex.com

USA Tel: +1 603 642 7808

(except CA) Fax: +1 603 642 7811

CA Tel: +1 619 667 3840

Fax: +1 619 667 3841

UK HQ Tel: +44 (0)23 9249 6000

Fax: +44 (0)23 9249 2284

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Registered office: Langstone Road, Havant, Hampshire, PO9 1SA, England.

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