



Xyratex delivers best-in-class storage density and Fibre Channel connectivity for nearline storage solutions.

In today's data-rich environment, businesses are faced with the need to keep ever-increasing amounts of data online and readily accessible. Recent legislation such as the Sarbanes-Oxley Act has resulted in a substantial growth in data volume. This increase in data requires businesses to implement cost-effective tiered storage that differentiates data and moves non-business-critical information to less costly storage.

Xyratex's 4835 is the ideal solution for archival storage and its associated applications, and sets the design standard for mass storage enclosures available today. Housing 48 individually serviceable Serial ATA (SATA) drives in only 4U of rack space, this high-density solution can store up to 24TB of data, making it an industry leader in density.

Designed around proven Fibre Channel (FC) technology, the 4835 provides ease of deployment and integration into the customer's existing fabric environment, and is ideally suited to meet the ever-expanding requirements of compliance, VTL, disk-to-disk backup and Content Addressable Storage (CAS).

Xyratex's innovative enclosure design and internal architecture include redundant hot-swappable components. N+1 power and dual pathing at the drive level to support High Availability (HA) configurations.

A front-mounted LCD display provides real-time statistics and reporting on all aspects of the enclosure. In addition, 48 individual LED lights monitor drive status and health, providing clear fault diagnostics and ease of serviceability.

Features

- Highest density vertical-drive 4U nearline solution available
- Scale to 240 TB in a single rack
- Proven Fibre Channel connectivity
- N+1, hot-swappable power and cooling
- Hot-swappable I/O modules and drives
- Individual tool-free, thumb release drive carriers for easiest servicing
- Dual I/O paths to the individual drive level support HA configurations
- StorView™ management software provides maximum utilization
- CLI and ANSI enclosure SES support for management & diagnostics

Technical Specification

General Information

Product Code	4835
External Interface	2Gb FC
Supported Operating Platforms	Linux & Windows
Total Capacity per Unit	24TB

Disk Drives

Disk Drives Supported	Hitachi and Seagate 500GB
Interface Types	SATA
Max Drives per Enclosure	48

System Management

Software	StorView for JBOD
Interfaces Supported	In-band / Serial
Hot Swappable Components	PSU/cooling modules, disk drives, IO Modules

Dimensions

Height	175mm (6.89") 4 EIA Units
Width	483mm (19.01") 1EC Rack Compliant
Depth	810mm (31.9")
Weight	70Kg (154 lbs) – 35Kg (77 lbs) without drives

Altitude, Power and Temperatures

Operational Altitude	0 to 3000m
Non-operational Altitude	-305 to 12,191m
Voltage	100 to 240v
Frequency	60/50 HZ
Power Consumption	1.4kVA
Temperature Range	+5 to +35° C above 2000m
Humidity	20%-80%

Shock and Vibration

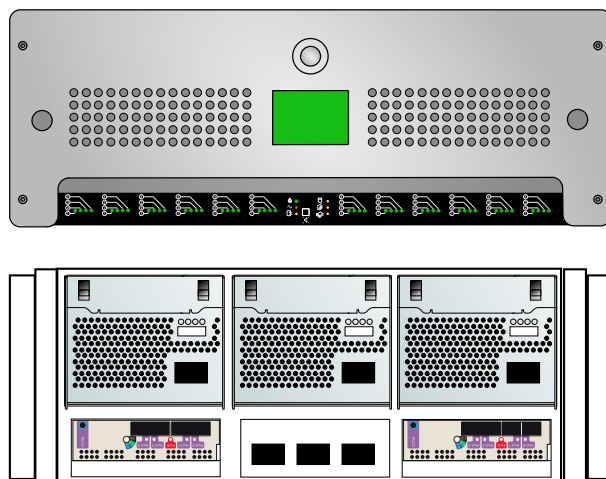
Operational Shock	5g 10ms ½ Sine
Operational Vibration	Random 0.1grms 5-500Hz
Non-operational Shock	30g 10ms ½ Sine
Non-operational Vibration	Random 1.04 grms 2-200Hz
Relocation Vibration	Swept Sine 0.15g 2-200Hz
Acoustics	LwA 6.6 Bels

Approvals

EMC	FCC Pt15B Class A and EN55022 Class A, EN55024, EN61000-3-2/3
Safety	EN/IEC/UL 60950-1, UL, cUL and CB report Marks, UL, cUL, FCC, CE

Warranty Information

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



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