JBOD Expansion – Ultra-density and Scalable Storage

84 BAY JBOD EXPANSION

84-bay JBOD Expansion. Built for the CCTV surveillance industry. Enterprise reliability. Space, Power, Coolant efficient.

Up to 1.680PB in a single enclosure, the 84-bay JBOD meets your performance needs and is the only ultra-dense, intelligent solution for maximum capacity and performance at an exceptionally low total cost of ownership.

Ultra-density and Scalable Storage

The demand for highly robust video surveillance storage has been growing exponentially in recent years. New high-resolution IP Cameras are deployed in greater numbers, with requirements for increased retention periods, from 30 days to 120 days.

This ongoing growth has increased the requirement for huge storage capacity of video data, especially in the sector of +500 cameras and upwards. The Fibrenetix Series of Enterprise class storage enclosures and servers address these industry requirements for huge storage capacity and demanding recording server performance.

The Ultra-Density 84-bay JBOD storage enclosure offers a massive capacity of up to 1,680TB using 20TB hard drives.

The 84-JBOD enclosures are compatible with all Fibrenetix products, including E-Series FC and iSCSI Storage (IP SAN), SVS Servers and GOLD Servers. Providing a truly versatile product, with one of the best cost per GB ratios in the CCTV industry today. Enterprise reliability is achieved via the dual SAS controllers which are hot-pluggable and provide complete failover service for Fibrenetix Storage and Server products.

Applications:

- CCTV Enterprise Class
- Media & Entertainment
- Medical
- Data Center
- BIG DATA and Cloud Business

Features:

- 5U 84-bay – SAS drives
- Up to 1.680PB per 5U enclosure
- Transfer Data Fast With a 12Gb/s SAS Interface
- Redundant Hot Swap Drive, SAS, Power Supply and Cooling module

JBOD 84 Series-ENG 03.10.2023

JBOD EXPANSION

Technical Specifications

Product Category	JBOD 84
Controller Type	Dual controller
Expansion Interface	Up to 4x 5U JBODs for a total of 336 drives Three universal ×4 12Gb/s mini-SAS connectors (SFF-8644) per I/O module
High-Availability Features	Redundant hot-swap controllers, Redundant hot-swap drives, cooling modules, power
Device Support	SAS HDD
System Configuration (84, 3.5-in devices)	Up to 84 drives per chassis, 1680TB max capacity per chassis (based on 20TB HDDs)
Device Support	Dual-ported 12Gb/s SAS
Management	CLI via RS232 and 100Base-T port, SCSI enclosure services (SES) via SAS SFF-8644 ports
Voltage	200VAC-240VAC, 50Hz/60Hz
Max. Power Output per PSU	2200W
Dimensions – mm (D x W x H)	933 x 483 x 220 (5U)
Dimensions for 19" Rack (D, mm)	Extended rack depth: 1200mm
Net Weight - kgs	Weight (with drives), no rail kit: 135kg
Environment	Operating: 5°C to 35°C
Humidity	10% to 80% noncondensing
Operating/Nonoperating Altitude	–100m to 3000m (–330 ft to 10,000 ft) / –100m to 12,192m (–330 ft to 40,000 ft)
Operational / Nonoperating Shock	5 Gs 10ms half sine (Z axis), 20 Gs 10ms half sine (X and Y axes) / 30 Gs 10ms half sine
Operational / Nonoperating Vibration	0.21 Gs rms / 1.04 Gs rms
Safety Certifications	UL 60950-1 (USA and Canada) | EN 60950-1 (European Union) | IEC 60950-1 (CB certification)
Emissions (EMC)	FCC CFR 47 Part 15 Subpart B Class A (United States), ICES/NMB-003 Class A (Canada), EN 55032 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3 (Europe), AS/NZS CISPR 32 Class A (Australia/New Zealand), VCCI Class A (Japan), KN 32 Class A/KN 35 (S. Korea), CNS 13438 Class A (Taiwan)
Standard Marks/Approvals	Australia/New Zealand (RCM – formerly C-tick), North America (FCC, UL, cUL, ICES/NMB-003 Class A), Europe (CE), China (CCC – PSU only), Taiwan (BSMI), Korea (KC), Japan (VCCI).
BTU/Hr	7,506.71
Warranty Period	3 Years

Specifications are subject to change, without prior notice

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fibrenetix   Fibrenetix House - Langebjerg 23B - 4000 Roskilde, DK-Denmark   Tel. + 45 70 22 10 16   E-mail: sales@fibrenetix.com   Web: www.fibrenetix.com