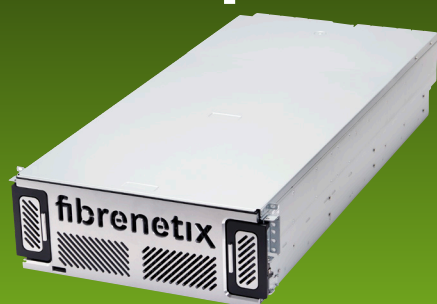




JBOD Expansion – Ultra-density and Scalable Storage



105 BAY JBOD EXPANSION

105-bay JBOD Expansion.

Built for the CCTV surveillance industry.

Enterprise reliability. Space, Power, Coolant efficient.

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 105-bay JBOD storage enclosure offers a massive capacity of up to 2,310TB using 22TB hard drives. With scalability, five enclosures can be daisy chained together to provide 11.22 Petabytes (11,220TB) of storage.

The 105-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.

This model has been tested with Microsoft Fileserver 2012 R2, 2016 and 2019 for cutting edge features and performance.

Applications:

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

Features:

- 4U 105-bay – SAS/SATA drives
- Up to 2.3 PB per 4U enclosure
- Redundant Hot Swap Drive, SAS, Power and Cooling module
- Dual I/O controller for Redundant servers
- Supports up to 2400 MB/sec bandwidth per controller module
- Up to 24 SSDs (SAS or SATA) for data acceleration tiering



Technical Specifications

Product Category	JBOD105 Storage Expansion
Redundant Path	Yes (SAS only)
Host/Expansion I/O Ports	Includes four ×4 mini-SAS HD I/O connectors
Management Ports	Includes two x1G Ethernet RJ-45 ports
Management/Status Reporting	Out-of-band CLI via management port and in-band SCSI Enclosure Services
Device Support	6Gb/s SAS and 12Gb/s SAS drives
Max Drives per Enclosure	105
Maximum Drive Capacity	22TB
Maximum Raw Capacity	2310TB
Hot-Swappable Components	Hard drives, power supply units (PSUs), cooling modules, side-plane expanders, and I/O modules
Input Power Requirements	200V-240V AC 50Hz/60Hz
Max Power Output per PSU	2kW
LED Indicators	Identify Enclosure Power ON Activity / Fault for each Individual Drive Caddy
EXPANSION	Up to four JBOD storage enclosures
Dimensions (W × H × D, mm)	441 × 176.4 × 1139 without Cable ARM
Dimensions for 19" Rack (D, mm)	Extended rack depth: 1200mm
Weight (kg)	64kg empty – 150kg with HDDs
Operating / Non operating Temperature	5°C to 35°C -40°C to 70°C
Relative Humidity (%)	10% to 80% (non-condensing)
Shock	3 Gs, 11ms (per axis) / 15 Gs, 7ms, 10 shock pulse
Vibration	0.18 Gs rms, 5Hz to 500Hz
Acoustics (tested to ISO7779)	85 dB at normal operation
Safety Certifications	UL 60950-1 (United States) CAN/CSA-C22.2 No.60950-1-07 (Canada) EN 60950-1 (European Union) IEC 60950-1 (International) CCC (China PRC – CCC Power Supplies) BIS (India – BIS Power Supplies)
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)
Environmental Standards	The RoHS Directive (2011/65/EU) The WEEE Directive (2012/19/EU) The REACH Directive (EC/1907/2006)
Standard Marks/Approvals	Australia/New Zealand (RCM), Canada (cUL/ICES/NMB-003 Class A), China (CCC –PSU only), European Union (CE), Japan (VCCI), South Korea (KC), Taiwan (BSMI), United States (FCC/UL)
Country Approvals	United States, Canada, European Union (EU), Australia/New Zealand, Japan, China (PRC), Russia, Mexico, Germany, South Korea, Taiwan, India
BTU/Hr	6,838.40
Warranty Period	3 Years

*Specifications are subject to change, without prior notice.