

DNS-1640 JBOD

Enterprise-class JBOD 2.5-inch 6Gb/s SAS & SATA. High-performance, scalable and expandable storage enclosure



Overview

Introducing the newest addition to the DataON Product line the DNS-1640 (JBOD) Storage enclosure. The DNS-1640 is the core foundation for a Enterprise-Class, high performance, scalable and reliable 2.5" HDD & SSD storage solution.

Designed to meet the needs of continuing data growth, reliability and energy efficiency. DNS-1640 supports a "start small grow big" strategy by enabling users to connect DNS-1640 with DataON's Technology Partners HBA's for scalable storage.

DataON's expansion enclosure's are managed by the RAID controller or HBA in the primary server, they give IT administrators a cost-effective alternative to quickly respond to your demanding storage requirements.

DNS-1640 is the next generation storage enclosure to expand & scale your storage capacity beyond the server & maximize storage density, performance and power efficiency.

Features

- 2U 24-bay 2.5" 6Gb/s SAS & SATA HDDs or SSDs
- Redundant Hot Swap Drive Bays, Power & Cooling Module
- LED activity in Each Drive Carrier
- Single or Dual I/O Controller for Redundant and Max Availability
- Three SFF-8088 6Gb/s SAS host and expansion connections
- Supports up to 2,400 MB/sec band width per I/O controller

Advantages

- High Performance, Flexible & Scalable Storage
- Fully Tested and Qualified for 6Gb/s HBA's
- Point to Point SAS connectivity for Ultimate Performance
- Daisy Chain Expansion for additional DNS-1640
- Plug & Play Increase Capacity without shutting down
- Green Energy Efficient

Application

- Video Post-Production
- Medical & Space Telescope Imaging
- High-Performance Computing
- Digital Content Archive & VTL
- File, Web, Database and E-mail Servers
- Online transaction processing (OLTP)

DNS-1640 Front View



DNS-1640 Rear View



Storage Enclosure

Enclosure Form Factor	2U 24-bay Modular-SBB compliant
Drive Support	6Gb/s SAS and SATA HDDs or SSDs
Device Form Factor	2.5"
I/O Controller	Single or Dual 6Gb/s SAS 2.0
Host Interface	Two 6Gb/s SAS 4x wide ports via two SFF-8088
Expansion Interface	One 6Gb/s SAS 4x wide prot via SFF-8088
Controller Support	6Gb/s Host-based RAID Controller cards and HBAs with external connectivity

Hot-Swappable & Redundancy

Disk Drives	Hot-Swap (24-bay)
Cooling Fans	Redundant -2 fans per power supply
Power Supply	Redundant (1+1) Dual output up to 550W, Manufactured by Delta

Monitoring & Notification

LED Indicators	Identify Enclosure Power ON Device Fault Activity / Fault for each Individual Drive Carrier
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Expansion

Daisy-Chain	Up to Four JBOD Storage Enclosure / 96 Drives
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Dimension & Weight

Dimensions	3.5" H x 17.6" W x 19.5" D
Weight	Enclosure: 46lbs Packaged: 60lbs

Firemware

Firmware	SCSI Enclosure Services (SES) 2.0 based
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Operational Environment

Operational Environment	<p>Temperature: 5° to 35° C Temperature gradient: 20° C per hour Relative Humidity: 10% to 80% (non-condensing) Humidity gradient: 10% per hour Altitude: -200 to 10,000 ft. Shock: 5G at 11ms, ½ sine wave pulse Vibration: 0.15G at 5Hz to 500Hz Acoustics: 6.5 Bels at normal operation tested to ISO7779</p>
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Safety Standards	CE Mark, EN55022/EN61000 Class A, FCC Class A, VCCI Class A UL 60950 CSA 22.2-950, IEC 60950, EN60950
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For More information and sales offer, please visit the DataON Storage website at:
www.dataonstorage.com/dns-1640