

DataON DNS-4524 Storage Enclosure

Designed for Small to Medium-Sized Businesses
24-Bay 4U 2.5/3.5" 12Gb/s SAS JBOD



DataON DNS-4524 Storage Enclosure for Windows Server 2019

As part of a Windows Server-based storage solution, the DataON DNS-4524 helps to reduce complexity and cost from deploying a traditional SAN solution. Using a virtualized environment provides greater flexibility and scalability as your backup storage needs grow.

Tailored to withstand storage capacity demands in the software-defined data center, the DNS-4524 provides high storage density while delivering outstanding low dollar-per-GB costs for cold, warm and even hot storage workloads. It also leverages high-efficiency power to maximize performance-per-watt savings to reduce TCO.

The DataON DNS-4524 supports 2.5/3.5" 12Gbs/s SAS HDDs or SSDs in a 24-bay, 4U chassis. Equipped with redundant hot swap drive bays and power and cooling modules, it has dual I/O controllers for redundant and maximum availability, supporting up to 4800 MB/sec bandwidth per connector. Mix-and-match nearline storage, 10K RPM HDDs, and SSDs within the same enclosure with universal brand support.

Certified for Microsoft Windows Server 2019, the DataON DNS-4524 can be used either as a standalone direct attach JBOD or a storage expansion in conjunction with server nodes managed by a RAID controller or a host bus adapter (HBA). When used in conjunction with DataON S2D server nodes for software-defined converged storage, the DNS-4524 is part of a validated scale-out file server (SoFS) solution for Azure Stack HCI.

Features

- 4U chassis with 24-bay carriers
- Supports 2.5/3.5" enterprise class SAS-3 or 12Gb/s SAS Windows Server-certified drives
- Dual-SAS JBOD controller module
- Each SAS JBOD controller module consists of four SAS ports per I/O Module ports
- Power supply and cooling system contained in one module for efficient cooling
- Two 500W redundant hot swappable power supplies
- Incorporates cableless design for maximum signal integrity
- Utilizes industry-standard SCSI enclosure servers (SES) to monitor enclosure and disk environment conditions
- System LED indications
- Fan speed monitoring
- Power supply monitoring
- System voltage monitoring
- System temperature monitoring
- System alarm

Highlights:

- **Windows Server-based Storage Solution** – Reduces complexity and cost from deploying a traditional SAN backup
- **Enterprise-Class Resiliency** – Helps protect your organization from business disruptions with integrated, leading-edge technologies, including 12Gb/s SAS connectivity, dual I/O modules, and fully-redundant power supplies
- **Affordable, High-Density Storage** – Offers affordable, scalable storage that allows you to maximize your budget and finite rack space
- **Energy Efficient** – Leverages high-efficiency power to maximize performance-per-watt savings to reduce TCO
- **Tailored Performance** – Holds up to 24 2.5/3.5" drives. Mix-and-match nearline storage, 10K RPM HDDs, and SSDs within the same enclosure
- **Validated SoFS Solution for Azure Stack HCI** – When used with DataON S2D server nodes

Technical Specifications

DataON DNS-4524 JBOD	
JBOD Controller	Redundant
Host Interface	Four mini-SAS HD (12Gb/s)
Disk Interface	SAS 12Gb/s
Enclosure	
Platform	Rackmount
Form Factor	4U
# of Hot Swap Trays	24x 2.5/3.5" Large Form Factor (LFF) trays
Disk Status Indicators	Access / Fail LED
# of PS/Fan Modules	2x 500W with PFC
# of Fans	4
Monitor Port Support	Yes
Power Requirements	AC 90V ~ 264V Full Range, 10A ~ 5A, 47Hz ~ 63Hz
Environmental	
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimensions	23.90" (L) x 18.98" (W) x 6.93" (H) inches



www.dataonstorage.com

sales@dataonstorage.com

1.714.441.8820

Copyright © 2019 DataON. All Rights Reserved.
Specifications may change without notice. DataON is not responsible for photographic or typographical errors. DataON, the DataON logo, MUST, and the MUST logo are trademarks of DataON in the United States and certain other countries. Other company, product, or services names may be trademarks or service marks of others.

About DataON

DataON is a hybrid cloud computing company focused on delivering Microsoft Azure Stack HCI, on-premises storage systems, intelligent edge appliances, and cloud-based Microsoft Azure Services. Our company is helping enterprises and customers who have made the "Microsoft choice" to modernize their IT with Microsoft applications, virtualizations, and data protection through a complete and turnkey experience. With over 650 HCI clusters and 150PB of storage deployed, DataON enterprise-level solutions are designed to provide the highest level of performance, manageability, and security offered. DataON is a Microsoft Gold Partner, Microsoft Cloud Service Provider (CSP), and an Intel Platinum Partner.