

Windows
Server
2016

Certified



Features:

- ! **Windows-based storage solution** – Reduces complexity and cost from deploying a traditional SAN backup.
- ! **Supports a “start small, grow big” strategy** – Connects to HBAs for scalable storage.
- ! **Cost-effective alternative** – Managed by a RAID controller or a HBA in the primary server, it delivers outstanding low dollar-per-GB costs for cold, warm and even hot storage workloads.
- ! **Energy efficient** – Leverages high-efficiency power to maximize performance-per-watt savings to reduce TCO.

DataON DNS Storage Enclosures for Windows Server 2016

DataON DNS storage enclosures are designed to help you meet the needs of continuing data growth. They allow you to expand and scale your storage capacity beyond the server, maximizing storage density, performance, and power efficiency.

DataON expansion enclosures support a “start small grow big” strategy by enabling users to connect to HBAs for scalable storage. Managed by a RAID controller or a HBA in the primary server, they give IT administrators a cost-effective alternative, allowing you to quickly respond to your demanding storage requirements.

DataON DNS enclosures can be deployed into green field or expansion of existing highly available scale-out clusters.

DataON DNS-2640 Storage Enclosures for Windows Server 2016

As part of a Windows-based storage solution, the DNS-2640 helps to reduce complexity and cost from deploying a traditional SAN backup. Using a virtualized environment provides greater flexibility and scalability as your backup storage needs grow.

Tailored to withstand storage capacity demands in a hyper-scale data center, the DNS-2640 provides exceptionally 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 DNS-2640 supports 2.5” 12Gbs/s SAS HDDs or SSDs in a 24-bay, 2U chassis. It is also equipped with redundant hot swap drive bays and power and cooling modules. It has single and dual I/O controllers for redundant and maximum availability, supporting up to 4800 MB/sec bandwidth per I/O controller.

The DNS-2640 is designed and optimized for Microsoft storage tiering for performance and capacity. It is certified by Microsoft to seamlessly deploy with Microsoft Server 2016.

Form Factor	2U Rackmount chassis; 24 bays
Drive Support	12Gb/s and 6Gb/s SAS 3.0 HDD and SSD
Drive Form Factor	2.5" Disk device
I/O Controller	Dual redundant 12Gb/s SAS 3.0 controller module
Host Interface	Six 12Gb/s SAS 3.0 SFF; 8644 connections per I/O
SAS Expander	PMC Sierra PM8055 SXP 48-port 12Gb/s SAS expander
Controller Support	12GB/s SAS RAID and SAS HBA
Server Host Support	Supports up to six servers/hosts with six host interfaces
Disk Drives	24x 12Gb/s or 6Gb/s dual-port SAS SSD and HDD
Enclosure Cooling	Dual cooling fan module; built-in power module
Power Supply	725W Delta 1+1 redundant power supply
Drive Zoning	1x24, 2x12, and 3x8 split-bus zoning via firmware
LED Indicators	Identify enclosure, identify drive, power on & activity, drive rebuild, drive fault
Dimensions (W x D x H)	3.5" H x 17.6" W x 19.5" D
Weight	Enclosure only: 48 lbs. Enclosure with 24 drives: 72 lbs
Failure Notifications	SCSI Enclosure Services (SES-3) over in-brand & LEDs
Operational Environment	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, sine wave pulse Vibration: 0.15G at 5Hz to 500Hz Acoustics: 6.5 Bels at normal operation tested to ISO7779
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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About DataON

DataON is the industry-leading provider of hyper-converged cluster appliances (HCCA) and storage systems optimized for Microsoft Windows Server environments. Our solutions are built with the single purpose of rapidly and seamlessly deploying Microsoft applications, virtualization, data protection, and hybrid cloud services. Our company is exclusively focused on customers who have made the "Microsoft choice" and we provide the ultimate platform for the Microsoft software-defined data center (SDDC). DataON is a division of Area Electronics Systems, Inc.