DataON DNS-2608 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 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.

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As part of a Windows-based storage solution, the DNS-2608 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-2608 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-2608 supports 2.5" 12Gbs/s SAS HDDs or SSDs in a 32-bay, 4U 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-2608 is designed and optimized for Microsoft storage tiering for performance and capacity. It is certified by Microsoft to seamlessly deploy with Microsoft Server 2016.
<table>
<thead>
<tr>
<th>Form Factor</th>
<th>4U Rackmount chassis; 32 bays; passive backplane</th>
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<tbody>
<tr>
<td>Drive Support</td>
<td>12Gb/s SAS 3.0 HDD and SSD</td>
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<tr>
<td>Drive Form Factor</td>
<td>(24) 3.5”/2.5” Hot-swappable 12Gb SAS drive tray with front access</td>
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<tr>
<td></td>
<td>(8) 2.5” Hot-swappable 12Gb SAS drive tray</td>
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<tr>
<td>I/O Controller</td>
<td>Dual redundant 12Gb/s SAS 3.0 controller module</td>
</tr>
<tr>
<td>Host Interface</td>
<td>Four 12Gb/s mini-SAS HD host ports (SFF-8644)</td>
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<tr>
<td>SAS Expander</td>
<td>PMC Sierra PM8055 SXP 48-port 12Gb/s SAS expander</td>
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<tr>
<td>Controller Support</td>
<td>12Gb/s HBAs and host-based RAID controller cards with external connectivity</td>
</tr>
<tr>
<td>Server Host Support</td>
<td>Supports up to six servers/hosts with six host interfaces</td>
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<tr>
<td>Disk Drives</td>
<td>32-bay hot-swappable</td>
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<tr>
<td>Enclosure Cooling</td>
<td>2x 60mm fan for system; 2x 40mm fan for SSD module</td>
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<tr>
<td>Power Supply</td>
<td>Dual redundant power supplies; 2x 500W Platinum 110/220V AC</td>
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<tr>
<td>Drive Zoning</td>
<td>1x24, 2x12, and 3x8 split-bus zoning via firmware</td>
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<tr>
<td>LED Indicators</td>
<td>Identify enclosure, identify drive, power on &amp; activity, hot space, drive rebuild, drive fault, system power, I/O module status</td>
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<tr>
<td>Dimensions (W x D x H)</td>
<td>7.56” H x 17.6” W x 21.13” D</td>
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<tr>
<td>Weight</td>
<td>Enclosure only: 46.3 lbs.</td>
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<tr>
<td>Failure Notifications</td>
<td>SCSI Enclosure Services (SES-3) over in-brand &amp; LEDs</td>
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<tr>
<td>Management Firmware</td>
<td>Supports SCSI Enclosure Services (SES-3) IPMI RJ45 Remote management</td>
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<tr>
<td>Operational Environment</td>
<td>Operating temperature: 0° C to 40° C (32° F to 104° F)</td>
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<tr>
<td></td>
<td>Non-operating temperature: -40° C to 65° C (-40° F to 149° F)</td>
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<td></td>
<td>Operating relative humidity: 20% to 85% RH</td>
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<td></td>
<td>Non-operating humidity: 10% to 90% RH</td>
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<tr>
<td>Certifications</td>
<td>Microsoft Windows Server 2012 R2 Storage Spaces</td>
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<td></td>
<td>Microsoft Windows Server 2016 Storage Spaces compatibility</td>
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<tr>
<td>Optional Storage Spaces Support</td>
<td>Configuration, optimization, pre- and post-deployment support</td>
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<td>OOBE (Out-of-the-box experience) PowerShell automation tool</td>
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<tr>
<td>Safety Standards</td>
<td>CE Mark, EN55022/EN61000 Class A, FCC Class A, VCCI Class A</td>
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<td>UL 60950 CSA 22.2-950, IEC 60950, EN60950</td>
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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.