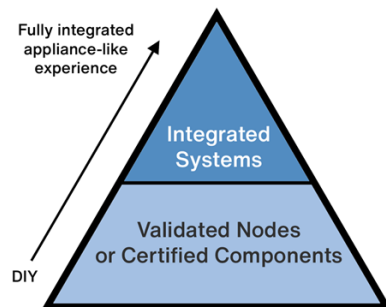


### Highlights

- **A new hyper-converged infrastructure operating system delivered as an Azure service** — Provides the latest security, performance, and hybrid capabilities, including Azure Arc enablement and management scenarios through the Azure portal.
- **Everything is included** — Integrated systems provide a premium, complete, and turnkey experience, including software, hardware, monitoring & management, cluster aware updating, Azure services, and service & support from DataON and Microsoft.
- **DataON MUST and MUST Pro** — MUST extends the functionality of Windows Admin Center with a centralized dashboard, enhanced disk mapping, email alerts, and available call home services. MUST Pro keeps your integrated system updated via cluster aware updating so you have the latest validated OS, drivers, firmware, BIOS, and BMC, with minimum disruptions.



### Fully Integrated Appliance-Like Experience

- **Easy procurement** – Distinctly orderable multi-node solution
- **Simple to deploy** – Pre-installed bits from the factory
- **Hassle-free maintenance** – Full-stack integrated, setup & upgrade with integrated Windows Admin Center plugins
- **Highest reliability** – Curated components continuously tested by Microsoft & DataON
- **World-class support** – Joint support agreements between Microsoft & DataON



	DataON AZS-6112	DataON AZS-6212	DataON AZS-6224	
SPECIFICATIONS				
	Profile / Optimization	All-NVMe Flash / Size & Performance	Hybrid / IOPS & Capacity	All-NVMe Flash / IOPS & Performance
	Form Factor	1U / 1-Node Rack	2U / 1-Node rack	2U / 1-Node rack
	Drive Bay Config	12x 2.5" NVMe U.2	2x 2.5"/3.5" NVMe U.2 + 10x 3.5"SAS/SATA	24x 2.5" NVMe U.2
	PCIe Slot Config	2x PCIe 4.0 x16; 1x PCIe 4.0 x8	2x PCIe 4.0 x8 (electrical/mechanical); 2x PCIe 4.0 x8 (electrical and 16x mechanical); 2x PCIe 4.0 x16 (electrical/mechanical)	
	GPU	N/A	Available	
	Max. TDP / Power Supply	270W / Dual 1300W @ 100-240V; optional 1600W or 2100W		
	Scalability	2 to 16 Nodes per cluster		
CONFIGURATION				
	Processor	3rd Generation Intel® Xeon® Scalable processors		
	Number of Cores	Dual socket, up to 80 cores (per node)		
	Memory	Up to 12TB DDR4 3200 MT/s DIMMs / 32 slots (per node)		
	Cache Tier	N/A	NVMe SSDs	N/A
	Capacity Tier	NVMe SSDs	HDDs	NVMe SSDs
	Resiliency	2-way mirror, nested 2-way mirror, nested mirror-accelerated parity, 3-way mirror, mirror-accelerated parity		
	Onboard Network Ports	2x 10GbE RJ45 OCP mezzanine (per node)		
	Add-On Networking Card	2x 25GbE SFP28 or 2x 40/50/100GbE QSFP28/56 2-port RDMA (per node)		
Networking Switch	2x 18/32-Port SFP28 25GbE; 2x 32-port QSFP 100GbE; or switchless			

### DataON Integrated Systems include:

#### Premium Deployment & Training

- Pre-deployment baseline testing, benchmarking, and stress testing
- Pre-installed Azure Stack HCI OS with the latest verified drivers and firmware
- **Sixteen hours of customer deployment services\***
  - Pre-deployment site readiness review and implementation planning
  - Setup Microsoft Azure subscription with DataON's cloud service provider (CSP)
  - Remote deployment and training
  - Project documentation and knowledge transfer

Included

#### DataON MUST & MUST Pro for Windows Admin Center

- **MUST Pro\*** keeps your system updated via cluster aware updating so you always have the latest Microsoft-validated OS, drivers, firmware, BIOS, and BMC versions, with minimum disruptions to your system
- MUST provides hardware disk mapping, alert services, real-time inventory scans, plus available call home service for drive replacements and predictive drive failures

Included

#### Premium Warranty & Support

- Three years standard, optional extension to five years
- Next-business-day parts replacement
- 24x7 technical support for hardware and software
- **24x7 integrated joint support from DataON and Microsoft using case exchange\***

Included

# Hybrid Can be a Game Changer for Digital Transformation








## How Do Customers Use Hybrid

<b>Extend on-premises into Azure</b> <ul style="list-style-type: none"><li>• Offsite backup and disaster recovery</li><li>• Extend on-premises capacity</li></ul>	<b>Key Benefits</b> <ul style="list-style-type: none"><li>• Drive innovation and modernize your apps</li><li>• Simplify your cloud and infrastructure management</li><li>• Drive insight from your data</li></ul>
<b>Centrally Manage from Azure</b> <ul style="list-style-type: none"><li>• Centralized update management</li><li>• Cloud-based monitoring</li><li>• Security and advanced threat protection</li><li>• Centralized government across environment</li></ul>	<b>Key Drivers</b> <ul style="list-style-type: none"><li>• Legacy systems / custom requirements</li><li>• Regulations and data sovereignty</li><li>• Latency and technical hurdles</li><li>• Consequence of no proactive strategy</li></ul>



## Azure Hybrid Benefit for Windows Server

Enterprise Agreement customers with Software Assurance can exchange your existing licensed cores of Windows Server Datacenter to get Azure Stack HCI at no additional cost. This includes the right to run unlimited Azure Kubernetes Service and unlimited Windows Server guest workloads on the Azure Stack HCI cluster!
This new benefit dramatically reduces the cost of modernizing your Hyper-V environment to Azure Stack HCI.

## Azure Arc-enabled Azure Stack HCI Delivers Integrated Azure Hybrid Services for IT Workloads

 <b>Data Services on Azure Stack HCI</b> Run Azure Arc for data services on a resilient platform.	 <b>Azure Arc-enabled SQL Managed Instance</b> Move SQL Server applications to Arc data services with minimal application & database changes.	 <b>Azure Site Recovery, Backup, File Sync, on Azure Stack HCI</b> Deliver business continuity with hybrid cloud BCDR.	 <b>Azure Virtual Desktop for Azure Stack HCI</b> Enable remote workforce with enterprise app and GPU.	 <b>AKS Applications on Azure Stack HCI</b> Develop in AKS but deploy unmodified to the edge, AI/ML workloads.
<b>Built-in Security and Compliance</b> Secure endpoints and Kubernetes clusters with Azure Active Directory, Microsoft Defender to Cloud, and Azure Sentinel.				

## Microsoft Hybrid Cloud Customer Momentum

 <b>Cherokee County (GA) School District</b> <ul style="list-style-type: none"><li>• Successfully migrated and transitioned from 3-tired iSCSI SAN to HCI</li><li>• Deploying active-active HCI stretched cluster running Hyper-V and delivering automatic BRBC solution</li><li>• Significant increase in QoS for SQL and enterprise applications by10x</li><li>• Increased infrastructure resiliency and fault tolerance with 3-way mirror</li><li>• Successfully completed PoC with Azure Virtual Desktop for students and staff. Applications included Microsoft Office suite and graphics-intensive design and CAD apps</li></ul>	 <b>Star Lumber &amp; Supply</b> <ul style="list-style-type: none"><li>• Deployed full switched-based Azure Stack HCI running Microsoft Hyper-V virtualization</li><li>• Significant increase in QoS for Microsoft SQL, enterprise applications and AutoCAD workloads</li><li>• Simplified management of the environment though the Azure Portal</li><li>• Evaluating Azure Hybrid Services for archival backups and to implement tertiary disaster recovery site via Azure Site Recovery</li><li>• Replaced costly physical dedicated graphics workstations and improved CAD application performance with enterprise-grade GPU virtualization &amp; partitioning (vGPU/GPU-P)</li><li>• Consistently manage both cloud and on-premises workloads via hybrid cloud infrastructure</li></ul>
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