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.

- **Delivered as an Azure service with hybrid built in** — Azure Stack HCI features an up-to-date subscription for software and support. Updates are at no cost, one-click, and non-disruptive. Natively monitor, secure, and backup to the cloud.

- **Get up and running quickly & reliably** — DataON validated nodes provide a reference architecture-like experience with the broadest choice of hardware components.

Technology

- **3rd Generation Intel® Xeon® Scalable processors** — Up to 80 cores per CPU and 12TB DDR4 memory or up to 8TB Intel® Optane™ DC persistent memory. Up to 8 PCIe 4.0 slots and up to 128 lanes for greater I/O flexibility.

- **Intel® Optane™ SSD Cache Tier (select models)** — Provides breakthrough performance and dramatically reduced disk latency with 30% greater IOPS performance for write-intensive workloads.

- **Storage and Networking with SMB3 over RDMA** — Increases CPU efficiency while delivering the lowest latency and 2x throughput versus TCP/IP.

DataON MUST™ Visibility & Management Tool

- **DataON MUST** — Combines with Windows Admin Center to provide the ultimate monitoring and management for Azure Stack HCI and Windows Server environments from a single console. Adds functionality such as enhanced disk mapping, alert services, and call home service.

- **Call home service (available)** — Integrates with Azure Analytics to provide real-time monitoring of DataON solutions for Azure Stack HCI for disk failures or predicted disk failures. MUST can notify systems administrators and start the process to send a replacement disk.

	DataON HCI-6112	DataON HCI-6208	DataON HCI-6212	DataON HCI-6216	DataON HCI-6224
Form Factor	1U / 1-Node rack	2U / 1-Node rack	2U / 1-Node rack	2U / 1-Node rack	2U / 1-Node rack
Drive Bay Config	12x 2.5" NVMe U.2	8x 2.5" NVMe U.2	Up to 4x 2.5"/3.5" NVMe U.2 + 10x 3.5" SAS/SATA	16x 2.5" NVMe U.2	24x 2.5" NVMe U.2
Processor	3rd Generation Intel® Xeon® Scalable processors				
CPU Cores	Dual socket, up to 80 cores (per node)				
Memory / Slots	Up to 12TB DDR4 3200 MT/s DIMMs / 32 slots (per node)				
Boot Drive	Dual SATA M.2				
GPU	Available	Available			
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)			
Onboard	2x 10GbE RJ45 OCP mezzanine or 2x 10GbE SFP+ mezzanine				
Networking	2x 25GbE SFP28 or 2x 40/50/100GbE QSFP28/56 2-port RDMA				
Max. TDP	270W				
Power	Dual 1300W @ 100-240V; optional 1600W or 2100W				
Dimensions	1.7" H x 17.2W x 30.7" D	3.42" H x 17.56 W x 30.3" D			

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