DataON Kepler Switchless Validated Nodes for Azure Stack HCI
Quick Reference Guide

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 Azure-based up-to-date subscription for software and support with pricing that scales down for edge. Updates are at no cost, one-click, and non-disruptive. Natively monitor, secure, and backup to the cloud.

- **Affordably modernize branch offices** — Low entry price for per-location cost. DataON offers validated 2– and 3-node solutions for SMB, ROBO, edge and IoT, with **switchless back-to-back networking** for peak simplicity and affordability.

- **Innovative technologies set Azure Stack HCI apart at the small scale** — Nested resiliency protects you from multiple concurrent failures. Cloud quorum technologies leverage Azure instead of an appliance virtual machine for a quorum.

- **3rd Generation Intel® Xeon® Scalable processors (select models)** — Up to 80 cores per CPU and 12TB DDR4 memory or up to 8TB Intel® Optane™ DC persistent memory.

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

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 Kepler-47 G2	DataON K2N/K3N-6112	DataON K2N/K3N-6208	DataON K2N/K3N-6212	DataON K2N/K3N-6224
Form Factor	Mini tower	2U / 1-Node rack	2U / 1-Node rack	2U / 1-Node rack	2U / 1-Node rack
Drive Bay Config	2x 2.5" & 4x 2.5/3.5" SATA	8x 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	24x 2.5" NVMe U.2
Processor	Intel® Xeon® E 12xx	3rd Generation Intel® Xeon® Scalable processors			
CPU Cores	6 Cores (per node)	Dual socket, up to 80 cores (per node)			
Memory / Slots	64GB—128GB DDR4	Up to 12TB DDR4 3200 MT/s DIMMs / 32 slots (per node)			
Boot Drive	2x NVMe M.2	Dual SATA M.2			
GPU	N/A	Available			
PCIe Slot Config	2x PCIe 3.0 x8	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 NIC	4x 1GbE RJ45	2x 10GbE RJ45 OCP mezzanine or 2x 10GbE SFP+ mezzanine			
Networking	2x 10GbE	2x 25GbE SFP28 or 2x 40/50/100GbE QSFP28/56 2-port RDMA			
Max. TDP	80W	270W			
Power	350W @ 100-240V	Dual 1300W @ 100-240V; optional 1600W or 2100W			
Dimensions	9.1" H x 8.9" W x 12.6" D	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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