Highlights

- **A 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** — DataON Kepler Switchless Integrated Systems provide a premium, complete, and turnkey experience, including software, hardware, monitoring & management, Lifecycle Manager, Azure services, and service & support from DataON and Microsoft.

- **Affordably modernize branch offices** — Lower entry price for per-location cost. Kepler 2– and 3-node solutions feature **switchless back-to-back networking** for peak simplicity and affordability.

- **Innovative technologies set Azure Local 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.

- **5th Generation Intel® Xeon® processors** — Get more compute and faster memory, plus outsized performance and TCO in AI, HPC, database, networking, and storage.

- **NVIDIA graphics processing units (GPUs) (select models)** — Provides high user density for virtual desktop infrastructure (VDI) environments, powering the remote workforce.

- **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 Lifecycle Manager so you have the latest validated OS, drivers, firmware, BIOS, and BMC, with minimum disruptions.

Per node	DataON K2N/K3N-7112	DataON K2N/K3N-7208G	DataON K2N/K3N-7212	DataON K2N/K3N-7224
SPECIFICATIONS				
Profile / Optimization	All-NVMe / Size & Performance	GPU Optimized	Hybrid / IOPS & Capacity	All-NVMe / IOPS & Performance
Form Factor	1U / 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	4x 2.5" NVMe U.2 + 8-10x 3.5" SAS/SATA	24x 2.5" NVMe U.2
PCIe Slot Config	2x PCIe 5.0 x16; 1x PCIe 5.0 x8	2x PCIe 5.0 x8; 2x PCIe 5.0 x16 (2W), 2x PCIe 5.0 x16 (1W)	2x PCIe 5.0 x8; 4x PCIe 5.0 x8 (elec, x16 mech; 2x PCIe 5.0 x16 (e/m)	1x PCIe 5.0 x8; 1x PCIe 5.0 x8 elec, x16 mech; 2x PCIe 5.0 x16 (e/m)
GPU	N/A	Up to 2x NVIDIA Dual-slot GPUs	N/A	Available
Max. TDP /	205W / Dual 1300W @ 100-240V	250W / Dual 2100W @ 240V	205W / Dual 1300W @ 100-240V	350W / Dual 1300W @ 100-240V
Scalability	1 to 16 Nodes per cluster			
CONFIGURATION				
Processor	5th Generation Intel® Xeon® Scalable processors			
Number of Cores	Dual socket, up to 64 cores (per node)			Dual socket, up to 120 cores
Memory	Up to 8TB DDR5 3200 MT/s DIMMs (or 4TB per processor) / 32 slots (per node)			
Cache Tier	N/A	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	2x 10GbE RJ45 OCP mezzanine (per node)			
Add-On Networking	2x 25GbE SFP28 or 2x 100GbE QSFP28/56 2-port RDMA (per node)			
Networking Switch	2x 48-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 Local 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

DataON MUST & MUST Pro for Windows Admin Center
- **MUST Pro*** keeps your system updated via Lifecycle Manager 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

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***

*Exclusive to DataON Integrated Systems for Azure Local

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