

Highlights

- **A hybrid cloud infrastructure operating system** – Azure Local is hybrid by design with support for Azure Virtual Desktop, Azure Kubernetes Service, and more. It's always-up-to-date and is delivered as a service with tight integration with Arc for a cloud-like experience for provisioning, management, and monitoring for Azure Local in hybrid environments.
- **A premium Azure Local experience** – DataON Integrated System+ goes **beyond the standard Microsoft Integrated Systems tier requirements**, providing a more complete experience that includes deployment, integration, and training. Our goal is to not only get you up and going quickly but also to help your team to be confident in managing Azure Local.
- **Easy to manage** – Lifecycle management is easy with cluster aware updating and DataON Solution Builder Extension (SBE). It simplifies lifecycle management, improves reliability, and ensures seamless orchestration of firmware, drivers, and diagnostics. Updates can be applied as part of a full solution update, with minimal disruption to your environment.

Fully Integrated Appliance-Like Experience

- **Easy procurement** – Distinctly orderable multi-node solution
- **Highest reliability** – Curated components continuously tested by Microsoft & DataON
- **Simple to deploy** – Pre-installed bits from the factory
- **Hassle-free maintenance** – DataON Solution Builder Extension (SBE) simplifies lifecycle management, improves reliability, and ensures seamless orchestration of firmware, drivers, and diagnostics



DataON AZL-8112a

SPECIFICATIONS	
Profile / Optimization	All-NVMe / Edge (Size & Power)
Form Factor	1U / 1-Node Rack
Drive Bay Config	12x 2.5" NVMe U.2 Gen 5
PCIe Slot Config	1x PCIe Gen 5.0 x16 FH/HL; 1x PCIe Gen 5.0 x16 HH/HL; 1x PCIe Gen 5.0 x8 HH/HL
GPU	N/A
Max. TDP / Power Supply	400W / Dual 1600W @ 100-240V
Scalability	1 to 16 Nodes per cluster
CONFIGURATION	
Processor	AMD EPYC™ 9005 Processors
Number of Cores	Dual socket, 16-48 cores (per node)
Memory	64GB – 3TB DDR5 DIMMs @ 6400 MT/s (1 DPC), 5200 MT/s (2DPC)
Cache Tier	N/A
Capacity Tier	NVMe SSDs
Resiliency	2-way mirror, 3-way mirror, or 4-way rack level nested mirror (RLNM)
Add-On Networking Cards	4+ ports 25GbE SFP28 or 8+ ports 50GbE SFP56 or 4+ ports 100GbE QSFP28 (RDMA per node)

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

Premium Warranty & Support

- Three years standard, optional extension to five years
- Next-business-day parts replacement
- 24x7 Technical support for hardware and software

Optional Services

- Onsite hardware installation and deployment
- Onsite 4-hour parts replacement

DataON Premium Implementation & Integration Services for Microsoft Azure Local

Comprehensive Azure Local Deployment & Integration

1/ DataON Premier SBE Software Certification for Azure Local

Top tier Microsoft catalog (new structure):

- Certified hardware with at least 5 years of support
- Solution test frequency: continuous by Microsoft and DataON
- Solution update automation: full-stack update in a single step and seamless 1-click update
- Download Connector integration
- Integrated support queues between Microsoft and DataON
- Security features enabled by default
- Setup proactive call-home support with Azure Monitor

2/ DataON Premier Implementation and Deployment Services for Azure Local

Comprehensive deployment service:

- Deployment, health check and SBE software certification
- Pre-deployment baseline testing, benchmarking, and stress testing with comprehensive report
- Pre-deployment site readiness review and implementation planning
- Azure Local hands-on deployment
- Post-deployment validation and benchmarking

3/ DataON Standard Integration Services for AVD on Azure Local

Azure Virtual Desktop integration:

- Review prerequisites
- 2-hour AVD integration consultation with AVD real-world expert
- Host pool creation:
 - Create a host pool using the Azure portal
 - Configure basic host pool settings, including location
- Application group creation:
 - Define and configure an application group with desktop settings
 - Assign users

Deliverables:

- Functional AVD environment with minimal configuration
- Documentation of host pool settings
- User access configuration

4/ DataON Standard Integration Services for Migration

VMware to Azure Local migration:

- Review prerequisites
- Create Azure Migrate project
- Setup source appliance, and connect to vCenter
- Set up destination appliance, and connect to Azure Local cluster
- Migrate up to four dev/test VMs

5/ DataON Standard Integration Services for Hybrid Workloads

Advanced hybrid cloud services:

- Azure Kubernetes Services (AKS)
 - Download and install tools
 - Kubernetes cluster creation
 - Configure cluster access
 - Deploy sample application
 - Documentation on basic settings
- Business Continuity and Disaster Recovery (BCDR) with Azure Site Recovery (ASR)

6/ DataON Standard Integration Services for Day 1 Solution Overview

Solution components:

- Azure Local and what's new in version 24H2
- Hyper-V
- Host networking (including management, compute, and storage RDMA)
- Active Directory requirements
- DNS requirements
- Firewall/proxy requirements
- Azure Arc gateway
- Licensing & activation

Storage Spaces Direct:

- Storage pool, virtual disks, volumes & resiliency

Failover Clustering:

- High availability, live migration, cluster networks, cluster shared volumes

Azure Integration:

- Cloud deployment
- Azure updates including SBE LCM and side loading
- Azure Arc & extensions, and Arc VMs
- Hybrid services related to Azure Local

Local Management & Operations:

- RSAT tools
- Windows Admin Center
- Configuring VMs
- Viewing performance metrics
- Lifecycle management
- Viewing logs

Troubleshooting:

- Alerts and logs