



## Dell AX System for Azure Local

### The foundation for your Azure adaptive cloud

Dell AX System for Azure Local is Dell's offering for Premier Solutions, a category in the Azure Local catalog reserved for key partners with the greatest levels of engagement with Microsoft and deepest integrations into familiar Microsoft management tools. The Dell AX System delivers purpose-built hybrid cloud infrastructure that is designed for on-premises Azure deployments. With a Microsoft-native management experience and the Dell OpenManage Integration with Microsoft Windows Admin Center, this solution enhances automation and integration, empowering organizations to innovate and optimize their Azure hybrid cloud environment.

### OEM license for Azure Local

This perpetual license is only available at initial purchase and remains valid for the lifetime of the hardware. It includes the following essential services for your cloud infrastructure:

- Azure Local software
- Unlimited Windows Server 2025 Datacenter guest virtual machines (or earlier versions)

Azure Local now also includes Azure Kubernetes Service (AKS) enabled by Azure Arc on Azure Local; a managed Kubernetes service that lets you deploy and manage containerized applications on-premises, in datacenters, or at edge locations like retail stores or manufacturing plants.

### Key features of this Premier Solution

- Intelligently designed AX nodes from Dell offer:
  - Flexible configurations for varying application performance, capacity, or location needs – including ruggedized AX-4000 for edge locations with challenging environmental conditions.
  - Azure Local instance scalability from 1 to 16 machines
  - Single-machine Azure Local instances for remote, edge or branch office projects that can tolerate the resiliency of a single machine.
- Supported with Dell PowerFlex software-defined storage for linear scaling of storage resources independently from Azure Local compute and Storage Spaces Direct.
- Automated, full stack lifecycle management using Azure Update Manager with Dell's Solution Builder Extension (SBE) integrated for firmware, driver, and Windows Defender Application Control (WDAC) supplemental policy updates.
- Dell OpenManage Integration with Microsoft Windows Admin Center delivers integration with Azure services, including automating Dell HCI Configuration Profile (HCP) policy definitions integration with Azure Policy and AX node hardware alerting in Azure Monitor.
- Dell ProDeploy and ProSupport services deliver professional onsite deployment and single contact technical support.

"Dell did the work to build their nodes to have the maximum amount of power and storage in a 2U device that conforms and is on catalog for Storage Spaces Direct. It was really an easy design to put forward and to consolidate our existing Hyper-V virtual machines on to."

Lee Harrison  
Microsoft Solutions Architect, Fasthosts

# AX-770

<b>Storage Configuration</b>	<b>All Flash (All-NVMe)</b>
Chassis Configurations	16 x E3.s (G5 x4) Backplane
Processors	Two 6th Generation (Granite Rapids) Intel Xeon Scalable processors with up to 86 cores per processor
Memory	8 TB (Up to 32 x DDR5 RDIMMs, speeds up to 6400 MT/s)
Storage controller	No controller
Storage - OS Boot	BOSS - N1 with dual hot-plug 960GB M.2 NVMe in RAID1
Drive Count and Storage for Cache Min/Max	N/A
Drive Count and Storage for Capacity Min/Max	Min: 2 x 1.6 GB = 3.2 TB Max: 16 x 15.36 TB = 245 TB
Network cards	Form factors: - OCP 3.0 (1 required, 2 maximum) - PCIe (1-3) Vendors: Nvidia Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE
GPU DW = Double Wide SW = Single Wide	NVIDIA A16, DW, 250W, 64GB Passive, up to 2 NVIDIA L4, SW, 72W, 24GB Passive, up to 4 NVIDIA L40S, DW, 350W, 48GB Passive, up to 2 NVIDIA RTX PRO 6000 Blackwell Server Edition, DW, 600W, 96GB Passive, up to 2
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the <a href="#">support matrix</a> .
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 10 Enterprise/Datacenter - IPMI 2.0 compliant
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.5 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway
Security	Trusted Platform Module 2.0
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1500/2400/3200 W, 1400W -48VDC Dual Redundant
Form Factor	2U Rack
<b>PowerFlex Integration</b>	<b>If connecting to a PowerFlex Cluster, refer to the <a href="#">Design Guide</a>.</b>

# AX-670

<b>Storage Configuration</b>	<b>All Flash (All-NVMe)</b>
Chassis Configurations	16 x E3.s (G5 x4) Backplane
Processors	Two 6th Generation (Granite Rapids) Intel Xeon Scalable processors with up to 86 cores per processor
Memory	8 TB (Up to 32 x DDR5 RDIMMs, speeds up to 6400 MT/s)
Storage controller	No controller
Storage - OS Boot	BOSS - N1 with dual hot-plug 960GB M.2 NVMe in RAID1
Drive Count and Storage for Cache Min/Max	N/A
Drive Count and Storage for Capacity Min/Max	Min: 2 x 1.6 TB = 3.2 TB Max: 16 x 15.36 TB = 245 TB
Network cards	Form factors: - OCP 3.0 (1 required, 2 maximum) - PCIe (1-3) Vendors: Nvidia Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE
GPU SW = Single Wide	NVIDIA L4, SW, 72W, 24GB, Passive up to 2
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the <a href="#">support matrix</a> .
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 10 Enterprise/Datacenter - IPMI 2.0 compliant
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.5 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway
Security	Trusted Platform Module 2.0
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1500 W, 1400W -48VDC Dual Redundant
Form Factor	1U Rack
<b>PowerFlex Integration</b>	<b>If connecting to a PowerFlex Cluster, refer to the <a href="#">Design Guide</a>.</b>

# AX-760

Storage Configuration	All Flash (All-SSD)	All Flash (All-NVMe)	Hybrid (SSD + HDD)	Hybrid (NVMe + HDD)
Chassis Configurations	24 drives: 24 x 2.5" front 28 drives: 24 x 2.5" front bay + 4 x 2.5" rear	24 x 2.5" front bay drives (switched)	16 drives: 12 x 3.5" HDDs + 4 x 2.5" SAS (rear)	16 drives: 12 x 3.5" HDDs + 4 x 2.5" NVMe (rear)
Processors	Two 4 <sup>th</sup> Gen (Sapphire Rapids) / 5 <sup>th</sup> Gen (Emerald Rapids) Intel Xeon Scalable processors with up to 64 cores per processor			
Memory	128 GB to 8 TB (Up to 32 x DDR5 RDIMMs, speeds up to 5600 MT/s)			
Storage controller	Internal HBA 355i 12Gbps SAS HBA Controller (Non-RAID)	None	Internal HBA 355i 12Gbps SAS HBA Controller (Non-RAID)	Internal HBA 355i 12Gbps SAS HBA Controller (Non-RAID)
Storage - OS Boot	BOSS - N1 with dual hot-plug 960GB M.2 NVMe in RAID1			
Drive Count and Storage for Cache Min/Max	N/A	N/A	Min: 2 x 800GB = 1.6TB Max: 4 x 1.6TB = 6.4TB	Min: 2 x 1.6TB = 3.2TB Max: 4 x 6.4TB = 25.6TB
Drive Count and Storage for Capacity Min/Max	Min: 2 x 800GB = 1.6TB Max: 28 x 7.68TB = 215TB	Min: 2 x 960 TB = 1.92TB Max: 24 x 15.36TB = 369TB	Min: 4 x 4 TB = 16TB Max: 12 x 20 TB = 240TB	Min: 4 x 4 TB = 16TB Max: 12 x 20 TB = 240TB
Network cards	Form factors: <ul style="list-style-type: none"> <li>- Integrated LOM: 2 x 1GbE Broadcom 5720 (used for factory imaging only, not supported for customer use cases)</li> <li>- PCIe (1 required, 4 maximum)</li> <li>- OCP 3.0 (Optional)</li> </ul> Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE			
GPU DW = Double Wide SW = Single Wide	NVIDIA A2, SW, 60W, 16GB Passive, up to 4 NVIDIA A16, DW, 250W, 64GB Passive, up to 2 NVIDIA L4, SW, 72W, 24GB Passive, up to 4 NVIDIA L40, DW, 300W, 48GB Passive, up to 2 NVIDIA L40S, DW, 350W, 48GB Passive, up to 2  (GPUs are not supported on All-flash chassis with rear storage)		N/A	N/A
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the <a href="#">support matrix</a> .			
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise/Datacenter - IPMI 2.0 compliant			
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.3.2 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal			
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway			
Security	Trusted Platform Module 2.0			
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1400/1800/2400/2800 W			
Form Factor	2U Rack			

PowerFlex Integration **If connecting to a PowerFlex Cluster, refer to the [Design Guide](#).**

# AX-660

Storage Configuration	All Flash (All-SSD)	All Flash (All-NVMe)
Chassis Configurations	10 x 2.5" SAS Chassis Up to 10 SSD front drives (SAS/vSAS)	10 x 2.5" NVMe Chassis Up to 10 NVMe front drives
Processors	Two 4 <sup>th</sup> Gen (Sapphire Rapids) / 5 <sup>th</sup> Gen (Emerald Rapids) Intel Xeon Scalable processors with up to 52 cores per processor	
Memory	128 GB to 8 TB (Up to 32 x DDR5 RDIMMs, speeds up to 5600 MT/s)	
Storage controller	Internal HBA 355i 12Gbps SAS HBA Controller (Non-RAID)	None
Storage - OS Boot	BOSS - N1 with dual hot-plug 960GB M.2 NVMe in RAID1	
Drive Count and Storage for Cache Min/Max	N/A	N/A
Drive Count and Storage for Capacity Min/Max	Min: 2 x 800GB = 1.6TB Max: 10 x 7.68TB = 76.8TB	Min: 2 x 960GB = 1.92TB Max: 10 x 15.36TB = 153.6TB
Network cards	Form factors: <ul style="list-style-type: none"> <li>- Integrated LOM: 2 x 1GbE Broadcom 5720 (used for factory imaging only, not supported for customer use cases)</li> <li>- PCIe (1 required, 4 maximum)</li> <li>- OCP 3.0 (Optional)</li> </ul> Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE	
GPU SW = Single Wide	NVIDIA A2, SW, 60W, 16GB Passive, up to 2 NVIDIA L4, SW, 72W, 24GB Passive, up to 2	
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the <a href="#">support matrix</a> .	
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise/Datacenter - IPMI 2.0 compliant	
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.3.2 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal	
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway	
Security	Trusted Platform Module 2.0	
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1400/1800 W	
Form Factor	1U Rack	

**PowerFlex Integration** If connecting to a PowerFlex Cluster, refer to the [Design Guide](#).

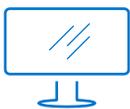
# AX-4000x | AX-4510c & AX-4520c

Model	AX-4510c – All-NVMe (1U sled)	AX-4520c – All-NVMe (2U sled)
Chassis Configurations	AX-4000r (Rackable): 1-4 sleds AX-4000z (Flexible/Stackable): 1-2 sleds	AX-4000r (Rackable): 1-2 sleds AX-4000z (Flexible/Stackable): 1 sled
Processors	One Intel Xeon Ice Lake D 3 <sup>rd</sup> Generation processor with up to 20 cores	
Memory	64 GB to 512 GB (Up to 4 x 128GB DDR5 3200MT/s)	
Storage controller	None	
Storage - OS Boot	BOSS N1 Modular ET (embedded) with dual M.2 NVMe 960GB in RAID1	
Drive Count and Storage for Cache Min/Max	N/A	N/A
Drive Count and Storage for Capacity Min/Max	Min: 2 x 800GB = 1.6TB Max: 4 x 3.84TB = 15.36TB	Min: 6 x 800GB = 4.8TB Max: 12 x 3.84TB = 46.08TB
Network cards	Form factors: - Integrated Intel E823-C LOM quad port 10/25 GbE - PCIe (N/A) Vendor: Intel Port Count: Quad-port Operational speeds: 10 and 25GbE RDMA protocols support: iWARP, RoCE	Form factors: - Integrated Intel E823-C LOM quad port 10/25 GbE - PCIe (1-2) Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE
GPU SW = Single Wide	N/A	NVIDIA A2, SW, 60W, 16GB Passive, up to 2 NVIDIA L4, SW, 72W, 24GB Passive, up to 2
Azure Local release	Latest Azure Local golden image from Dell Technologies available from the <a href="#">support matrix</a> .	
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise/Datacenter - IPMI 2.0 compliant	
Integrations	Dell OpenManage Integration with Microsoft Windows Admin Center v3.3.2 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal	
Services	ProDeploy, ProDeploy Plus, ProSupport, ProSupport Plus, optional Dell Infrastructure and Consulting services Call-routing, phone home, remote support, and automated case creation supported with Secure Connect Gateway	
Security	Trusted Platform Module 2.0	
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1400/1800 W	
Environmental	Purpose-built and ruggedized for edge deployments: - Operate in temp ranges from -5C to 55C. Rated to MIL 810H and NEBS Level 3. - 'Stackable' and 'rackable' chassis with options to mount on walls or place on shelves when space is at a premium. - Withstand dusty and harsh environments while providing extra physical security with an optional lockable intelligent filtered bezel.	
Form Factor	1U Sled	2U Sled

PowerFlex Integration

If connecting to a PowerFlex Cluster (AX-4520c only), refer to the [Design Guide](#).

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