



# Dell AX System for Windows Server 2025

## Dell and Microsoft certified and validated solution with end-to-end support

Dell AX System for Windows Server 2025 is a validated hyperconverged infrastructure solution that delivers the software-defined features of Windows Server like Hyper-V and Storage Spaces Direct on an intelligent hardware foundation. You can use familiar on-premises systems management software like Windows Admin Center and System Center to manage your clusters.

### Key Features:

- Windows Server 2025 delivers a more streamlined management experience with faster storage options and the ability to integrate with hybrid cloud environments.
- AX systems from Dell offer deliberate, flexible, and factory-ready configurations to meet the performance and capacity requirements of any workload. The ruggedized AX-4000 is ideal for edge locations with challenging environmental conditions.
- Dell OpenManage Integration with Microsoft Windows Admin Center (OMIMSWAC) and System Center (OMIMSSC) simplify management, configuration and monitoring.
- Purchase Windows Server 2025 OEM directly from Dell and save 40% on average versus the cost of a volume license. Save 62% on the deployment time with this pre-installed software solution.
- Dell ProDeploy and Dell ProSupport services deliver professional onsite deployment and single point of contact technical support.

“The simplification of lifecycle management for the Dell AX System for Windows Server 2025 is a game changer. This takes away all the hard work through a tested and validated catalog, reducing the time to complete from a few days to hours.”

Terry Storey

Chief Cloud Officer, Acuutech

# 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	Minimum: 2 x 1.6 GB = 3.2 TB Maximum: 16 x 15.36 TB = 245 TB
Network cards	<p>Form factors:</p> <ul style="list-style-type: none"> <li>- OCP 3.0 (1 required, 2 maximum)</li> <li>- PCIe (1-3)</li> </ul> <p>Vendors: Nvidia Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE</p>
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
Operating System	Windows Server 2025 (factory preinstalled)
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 Dell OpenManage Enterprise Integration for Microsoft System Center (OMIMSSC) Operations Manager, Virtual Machine Manager and Endpoint Configuration Manager
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

# 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	Minimum: 2 x 1.6 GB = 3.2 TB Maximum: 16 x 15.36 TB = 245 TB
Network cards	<p>Form factors:</p> <ul style="list-style-type: none"> <li>- OCP 3.0 (1 required, 2 maximum)</li> <li>- PCIe (1-3)</li> </ul> <p>Vendors: Nvidia Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE</p>
GPU SW = Single Wide	NVIDIA L4, SW, 72W, 24GB, Passive up to 2
Operating System	Windows Server 2025 (factory preinstalled)
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 10 Enterprise/Datacenter - IPMI 2.0 compliant
Integrations	<p>Dell OpenManage Integration with Microsoft Windows Admin Center (OMIMSWAC) v3.5 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal</p> <p>Dell OpenManage Enterprise Integration for Microsoft System Center (OMIMSSC) Operations Manager, Virtual Machine Manager and Endpoint Configuration Manager</p>
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

# 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	<p>Form factors:</p> <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 (1-4 required)</li> <li>- OCP 3.0 (Optional)</li> </ul> <p>Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE</p>			
GPU	<p>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</p> <p>(GPUs are not supported on All-flash chassis with rear storage)</p>			
Operating System	Windows Server 2025 (factory preinstalled)			
Out of Band Management	Integrated Dell Remote Access Controller (iDRAC) 9 Enterprise/Datacenter - IPMI 2.0 compliant			
Integrations	<p>Dell OpenManage Integration with Microsoft Windows Admin Center (OMIMSWAC) v3.5 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal</p> <p>Dell OpenManage Enterprise Integration for Microsoft System Center (OMIMSSC) Operations Manager, Virtual Machine Manager and Endpoint Configuration Manager</p>			
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			

# 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	<p>Form factors:</p> <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 (1-4 required)</li> <li>- OCP 3.0 (Optional)</li> </ul> <p>Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE</p>	
GPU SW = Single Wide	NVIDIA A2, SW, 60W, 16GB Passive, up to 2 NVIDIA L4, SW, 72W, 24GB Passive, up to 2	
Operating System	Windows Server 2025 (factory preinstalled)	
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 (OMIMSWAC) v3.5 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal Dell OpenManage Enterprise Integration for Microsoft System Center (OMIMSSC) Operations Manager, Virtual Machine Manager and Endpoint Configuration Manager	
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	

# 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	<p>Form factors:</p> <ul style="list-style-type: none"> <li>- Integrated Intel E823-C LOM quad port 10/25 GbE</li> <li>- PCIe (N/A)</li> </ul> <p>Vendor: Intel Port Count: Quad-port Operational speeds: 10 and 25GbE RDMA protocols support: iWARP, RoCE</p>	<p>Form factors:</p> <ul style="list-style-type: none"> <li>- Integrated Intel E823-C LOM quad port 10/25 GbE</li> <li>- PCIe (1-2)</li> </ul> <p>Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocols support: iWARP, RoCE</p>
GPU SW = Single Wide	N/A	NVIDIA A2, SW, 60W, 16GB Passive, up to 2 NVIDIA L4, SW, 72W, 24GB Passive, up to 2
Operating System	Windows Server 2025 (factory preinstalled)	
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 (OMIMSWAC) v3.5 or higher can be used with Windows Admin Center installed locally on-premises or Windows Admin Center in the Azure portal Dell OpenManage Enterprise Integration for Microsoft System Center (OMIMSSC) Operations Manager, Virtual Machine Manager and Endpoint Configuration Manager	
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	<p>Purpose-built and ruggedized for edge deployments:</p> <ul style="list-style-type: none"> <li>- Operate in temp ranges from -5C to 55C. Rated to MIL 810H and NEBS Level 3.</li> <li>- 'Stackable' and 'rackable' chassis with options to mount on walls or place on shelves when space is at a premium.</li> <li>- Withstand dusty and harsh environments while providing extra physical security with an optional lockable intelligent filtered bezel.</li> </ul>	
Form Factor	1U Sled	2U Sled

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