



# Dell AX System für Azure Local: Die Premier Hybrid Plattform

Beenden Sie das Komplexitätsmanagement. Beginnen Sie mit Innovation.

Das Dell AX System für Azure Local ist die am tiefsten integrierte, speziell entwickelte Infrastruktur für den Betrieb von Azure On-Premises. Als Microsoft Premier Solutions Partner bietet Dell Ihnen das einheitliche, cloud-native Erlebnis, das Sie erwarten – und beseitigt gleichzeitig die Komplexität und Reibungsverluste traditioneller Hybrid-IT.

**DELL**Technologies  
TITANIUM BLACK PARTNER

 Microsoft Azure

## Starten Sie mit dem Premier Azure Erlebnis

Bereit, Cloud und Rechenzentrum zu vereinen?

Das Dell AX System für Azure Local ist der schnellste Weg zu einer wirklich nahtlosen, vollständig unterstützten Azure Hybrid Cloud.

- **Innovation beschleunigen:** Nutzen Sie Azure-Services On-Premises – mit integrierter Automatisierung und einem echten cloud-nativen Erlebnis.
- **Management vereinfachen:** Eliminieren Sie Komplexität durch Full-Stack-Lifecycle-Management mit vertrauten Azure- und Dell-Tools.
- **Souverän skalieren:** Setzen Sie passgenaue Infrastruktur ein – vom Edge bis ins Rechenzentrum – abgesichert durch Dell ProSupport.

# Node Information

AX-760				
Storage Configuration	All Flash		Hybrid	
	All Flash (All-SSD)	All Flash (All-NVMe)	Hybrid (SSD + HDD)	Hybrid (NVMe + HDD)
Chassis Configurations	24 drives: 24 x 2.5" front or 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 4th Gen (Sapphire Rapids) or 5th 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 M.2 NVMe 960GB in RAID1			
Drive Count and Storage for Cache Min/Max	-	-	Min: 2 x 800GB = 1.6 TB Max: 4 x 1.6TB = 6.4 TB	Min: 2 x 1.6TB = 3.2 TB Max: 4 x 6.4TB = 25.6 TB
Drive Count and Storage for Capacity Min/Max	Min: 2 x 800GB = 1.6 TB Max: 28 x 7.68TB = 215 TB	Min: 2 x 960 TB = 1.92 TB Max: 24 x 15.36TB = 369 TB	Min: 4 x 4 TB = 16 TB Max: 12 x 20 TB = 240 TB	Min: 4 x 4 TB = 16 TB Max: 12 x 20 TB = 240 TB
Network cards	Form factors: <ul style="list-style-type: none"> <li>- PCIe (required): 1-4</li> <li>- OCP 3.0 (optional)</li> <li>- Integrated LOM: 2 x 1GbE Broadcom 5720 (used for factory imaging only, not supported for customer use cases)</li> </ul> Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocol support: iWARP, RoCE (GPUs are not supported on All flash chassis with rear storage.)			
GPU	- NVIDIA Ampere A2 SW, 60W, 16GB Passive, up to 4 - NVIDIA Ampere A16 DW, 250W, 64GB Passive, up to 2 - NVIDIA Ada Lovelace, L4, SW, 72W, 24GB Passive, up to 4 - NVIDIA Ada Lovelace, L40, DW, 300W, 48GB Passive, up to 2 - NVIDIA Ada Lovelace, L40S, DW, 350W, 48GB Passive, up to 2		Not supported	Not supported
DW = Double Wide SW = Single Wide				
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 or 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](#).

# Node Information

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 4th Gen (Sapphire Rapids) or 5 <sup>th</sup> Gen (Emerald Rapids) Intel Xeon Scalable processors with up to 36 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 M.2 NVMe 960GB in RAID1	
Drive Count and Storage for Cache Min/Max	-	-
Drive Count and Storage for Capacity Min/max	Minimum: 2 x 800GB = 1.6 TB Maximum: 10 x 7.68TB = 76.8 TB	Minimum: 2 x 960GB = 1.92 TB Maximum: 10 x 15.36TB = 153.6 TB
Network cards	Form factors: <ul style="list-style-type: none"> <li>- PCIe (required): 1-3</li> <li>- OCP 3.0 (optional)</li> <li>- Integrated LOM: 2 x 1GbE Broadcom 5720 (used for factory imaging only, not supported for customer use cases)</li> </ul> Vendors: Broadcom, Intel and NVIDIA Port Count: Dual-port and quad-port Operational speeds: 10, 25, and 100GbE RDMA protocol support: iWARP, RoCE	
GPU DW = Double Wide SW = Single Wide	GPU capable of up to 2 x SW GPU <ul style="list-style-type: none"> <li>- NVIDIA Ampere A2 SW, PCIe, 60W, 16GB Passive</li> <li>- NVIDIA Ada Lovelace, L4, SW, 72W, 24GB Passive</li> </ul>	
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 or 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	
<b>PowerFlex Integration</b>	<b>If connecting to a PowerFlex Cluster, refer to the <a href="#">Design Guide</a>.</b>	

# Node Information

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	Single Socket Intel Xeon Ice Lake D 3rd Generation (8/16/20 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	-	-
Drive Count and Storage for Capacity Min/Max	Minimum: 2 x 800GB = 1.6 TB Maximum: 4 x 3.84TB = 15.36 TB	Minimum: 6 x 800GB = 4.8 TB Maximum: 12 x 3.84TB = 46.08 TB
Network cards	<ul style="list-style-type: none"> <li>- Integrated LOM               <ul style="list-style-type: none"> <li>- Intel E823-C LOM quad port 10/25 GbE</li> </ul> </li> <li>- PCIe: None</li> </ul>	<ul style="list-style-type: none"> <li>- Integrated LOM               <ul style="list-style-type: none"> <li>- Intel E823-C LOM quad port 10/25 GbE</li> </ul> </li> <li>- PCIe: 1-2               <ul style="list-style-type: none"> <li>- Vendors: Broadcom, Intel and NVIDIA</li> <li>- Port Count: Dual-port and quad-port</li> <li>- Operational speeds 10, 25, and 100GbE</li> <li>- RDMA protocol support: iWARP, RoCE</li> </ul> </li> </ul>
GPU DW = Double Wide SW = Single Wide	NA	GPU capable: up to 2 x SW - NVIDIA Ampere A2 SW, 60W, 16GB Passive - NVIDIA Ada Lovelace L4 SW, 72W, 24GB Passive
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 or Datacenter IPMI 2.0 compliant	
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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: <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 Rack	2U Rack
<b>PowerFlex Integration</b> If connecting to a PowerFlex Cluster (AX-4520c only), refer to the <a href="#">Design Guide</a> .		



## Alleinstellungsmerkmale & Funktionen

Warum Dell für Azure?	Vorteile
<b>Microsoft Premier Solution</b>	Garantiert die tiefste Integration und ein Microsoft-natives Management-Erlebnis.
<b>Perpetual OEM-Lizenzierung</b>	Im Ersterwerb enthalten – Sie erhalten Azure Local Software und unbegrenzte Windows Server Datacenter-VMs für die gesamte Lebensdauer der Hardware.
<b>Full-Stack Automatisierung</b>	Das Lifecycle-Management wird vom Azure Update Manager mit integrierten Dell-Tools übernommen und automatisiert Updates von Firmware über Treiber bis hin zu Windows-Sicherheitsrichtlinie.
<b>Skalierbare AX-Nodes</b>	Flexible Konfigurationen, die von einer einzelnen Edge-Maschine bis zu einem 16-Node-Cluster skalieren.
<b>Edge-Ready Resilienz</b>	Umfasst den robusten AX-4000 für zuverlässiges, leistungsstarkes Computing in anspruchsvollen Remote- und Niederlassungsumgebungen.
<b>Unabhängige Speicherung</b>	Nutzen Sie Dell PowerFlex Software-defined Storage, um Kapazität linear und unabhängig von Computerr Ressourcen zu skalieren.
<b>Einheitliches Monitoring</b>	Dell OpenManage integriert sich direkt in Azure-Services, übermittelt Hardware-Alarme an Azure Monitor und Richtliniendefinitionen an Azure Policy.
<b>Single-Kontakt Support</b>	Dell ProDeploy und ProSupport Services bieten professionelle Bereitstellung vor Ort und schlanken technischen Support für den gesamten Stack.

## Vernetzen Sie sich mit den Hybrid-Cloud-Experten

Sprechen Sie noch heute mit den Spezialisten von Insight, um Ihr Dell AX System für Azure Local zu planen und bereitzustellen. Besuchen Sie die [dedizierte Lösungsseite](#), um mehr zu erfahren, eine Beratung zu vereinbaren oder ein Angebot anzufordern.