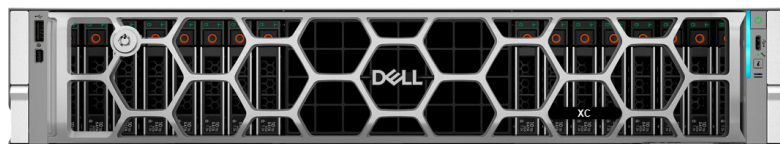# Dell XC Plus

Hybrid Cloud made easy

Dell XC Plus, the latest turnkey HCI solution, combines the reliability of XC hardware with Nutanix Cloud Platform to run apps and data anywhere. This solution offers streamlined hybrid cloud adoption, automated operations, and optimal performance management through a single platform for compute, storage, and networking. Built on Dell PowerEdge servers powered by Intel® Xeon® processors, XC Plus offers multiple configurations for compute, memory, storage, network, and accelerators. With the ability to scale capacity and performance linearly and predictably—one node at a time—XC Plus delivers pay-as-you-grow flexibility, empowering IT teams to innovate and accelerate application delivery across hybrid clouds. Eliminate the complexity of hybrid cloud environments with a single platform powered by Nutanix for on-premises, public cloud, and edge locations.

Streamline operations with a powerful single management plane

The Nutanix Prism management framework provides a highly intuitive, easy-to-use graphical user interface (GUI). Prism provides the ability to define and manage the XC Plus from nearly any device and includes REST APIs for integration with third-party cloud management systems. It also gives administrators a bird's eye view of resources across multiple clusters running different hypervisors and enables them to manage individual clusters using the GUI or a Windows PowerShell command-line interface. The enhanced Nutanix lifecycle management works with XC iDRAC for faster, streamlined updates, while automated app-aware data management boosts resiliency, application performance, and read consistency.

Optimize performance for traditional and modern workloads

Dell Technologies' 14+ years of experience in integrating hardware and Nutanix software helps design, validate and test the optimal processor, memory, and storage configurations for XC Plus. This experience simplifies common workflows throughout the lifecycle,starting with factory-installed hypervisors and preconfigured system settings for maximum performance. With built-in Nutanix intelligence that utilizes AI and adaptive machine learning, XC Plus ensures optimal application performance, data-driven resource planning, and automatic detection and resolution of slowdowns and security events. Pre-configured options with flexible compute and storage ratios, including allflash configurations and support for Nutanix AHV, making them ideal for running diverse applications on a single platform. This versatility supports a wide array of applications and requirements that includes VDI, databases, server virtualization, and AI workloads. Accelerate your digital transformation with a modern, container-ready infrastructure that powers both traditional and cloud-native applications on a single platform, maximizing business continuity.

XC670

Node	XC670-16	XC670-16S
Chassis	R670: 16 x E3.s drive bays	
Storage Type	All NVMe	
CPU	Two Intel Xeon 6 processors with up to 86 cores per processor	Single Intel Xeon 6 processors with up to 86 cores
Storage capacity	Up to 245 TB RI or MU NVMe	
Memory	64GB – 8192GB	64GB – 4096GB
Storage controller	N/A	
Onboard networking	Dual OCP 3.0 Networking: Dual 100GbE or Dual 25 GbE or Dual or quad 10 GbE OCP Cards	
PCIe networking	Up to 2x Dual 100GbE PCIe NICs	Up to 3x Dual 100GbE PCIe NICs
GPU	Up to 2x: NVIDIA L4	Up to 3x: NVIDIA L4
Deployment flexibility	Single or standard (3 nodes and up) AHV cluster	
Security	Trusted Platform Module 2.0	
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1500/3200 W	
Form Factor	1U Rack	

XC770

Node	XC770-16
Chassis	R770: 16 x E3.s drive bays
Storage Type	All NVMe
CPU	Two Intel Xeon 6 processors with up to 86 cores per processor
Storage capacity	Up to 245 TB RI or MU NVMe
Memory	64GB – 8192GB
Storage controller	N/A
Onboard networking	Dual OCP 3.0 Networking: Dual 100GbE or Dual 25 GbE or Dual or quad 10 GbE OCP Cards
PCIe networking	Up to 4x Dual 100GbE PCIe NIC
GPU	Up to 4x SW NVIDIA L4 Up to 2x DW NVIDIA A16/L40S/H100N
Deployment flexibility	Single or standard (3 nodes and up) AHV cluster
Security	Trusted Platform Module 2.0
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1500/3200 W
Form Factor	2U Rack

XC6715

Node	XC6715-16S
Chassis	R6715: 16 x E3.s drive bays
Storage Type	All NVMe
CPU	Single AMD EPYC Gen 5 processor with up 160 cores
Storage capacity	Up to 245 TB RI or MU NVMe
Memory	64GB – 6144GB
Storage controller	N/A
Onboard networking	Dual OCP 3.0 Networking: Dual 100GbE or Dual 25 GbE or Dual or quad 10 GbE OCP Cards
PCIe networking	Up to 3x Dual 100GbE PCIe NIC
GPU	Up to 3x SW NVIDIA L4
Deployment flexibility	Single or standard (3 nodes and up) AHV cluster
Security	Trusted Platform Module 2.0
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100/1500/3200 W
Form Factor	2U Rack
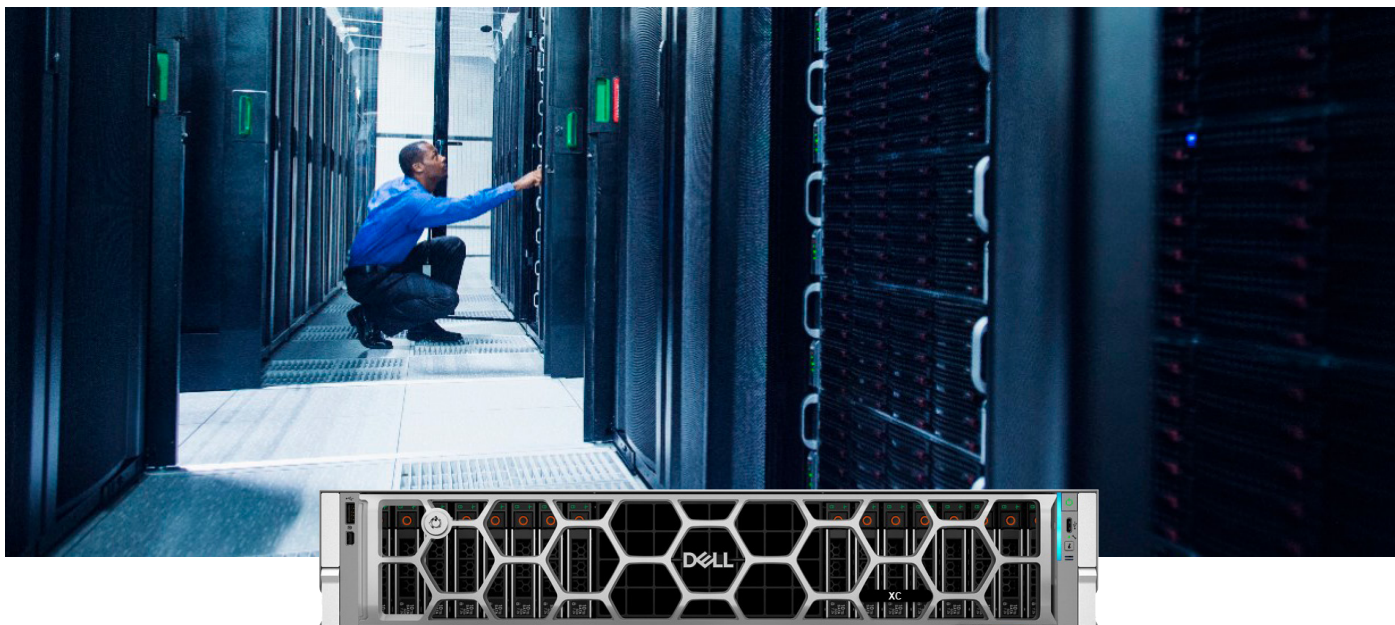
Built-in security

The XC Plus is built on a cyber-resilient architecture with security integrated throughout the product lifecycle. Dell Technologies ensures system security from design to disposal.

Key features include:

- Secure component supply chain: Protects data from the factory to data center.
- Cryptographically signed firmware and Secure Boot: Safeguard data integrity.
- Server Lockdown: Prevents unauthorized system changes.

Dell support and deployment services

Dell XC Plus nodes are expertly installed by certified engineers, ensuring a smooth deployment process. Dell and Nutanix offer joint support, with Dell handling hardware and integration, and Nutanix focusing on software. For complex issues spanning both hardware and software, both companies work seamlessly together to deliver rapid resolutions.

Proactive tools that include iDRAC and SupportAssist predict and prevent hardware issues, minimizing downtime. Dell's 24/7 global support team across 167 countries offers assistance in multiple languages, providing unparalleled support and rapid resolutions.

Learn more about
Dell XC family

Contact a Dell
Technologies Expert

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