

Dell XC Plus



Hybrid Cloud made easy

Dell XC Plus, the latest turnkey HCI solution, combines the reliability of XC hardware with Nutanix Cloud Infrastructure 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 pre-configured 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 all-flash 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.

Dell XC HW platforms

| Node | XC660xs | XC660 | XC760 | XC760xa | XC7625 | XC4000 |
|--------------------------------|---|--|--|--|---|---|
| Chassis | 4 x 3.5" drives | 10 x 2.5" SSD, 12 x 2.5" NVMe | 12 x 3.5" drives + 2x2.5" rear 24 x 2.5" drives (All SSD and All NVMe) | 6 x 2.5" drives NVMe | 24 x 2.5" drives (w/NVMe) | 4 or 8 x M.2 drives |
| Form Factor | 1U Single socket or Dual socket | 1U Dual socket | 2U Dual socket | 2U Dual socket | 2U Dual socket | 2U Up to 4 nodes for 4000r, 2 nodes for 4000z |
| CPU | Single or Dual Intel Xeon Scalable Gen Up to 32 Cores per processor | Dual Intel Xeon Scalable Gen Up to 52 Cores per processor | Dual Intel Xeon Scalable Gen Up to 56 Cores per processor | Dual Intel Xeon Scalable Gen Up to 56 Cores per processor | Dual AMD EPYC Up to 128 cores per processor | Single Intel Xeon-D Up to 20 core |
| Memory | Dual proc: Min 64GB to Max 1024GB Single proc: Min 32GB to Max 512GB | Min 128GB to Max 4096GB | Min 128GB to Max 4096GB | Min 128GB to Max 8192GB | Min 128GB to Max 3072GB | Min 64GB, Max 512GB |
| Storage Capability | Up to 55.36 TB All SSD, SSD+HDD | Up to 184.32 TB All SSD, All NVMe | Up to 368.64 TB All SSD, SSD/HDD, All NVME | Up to 92.16 TB All NVMe | Up to 368.64 TB NVMe+SSD, All SSD, All NVMe | Up to 30.72TB All NVMe |
| Data Storage controller | HBA355 | HBA355 | HBA355i* | N/A | HBA355i | N/A |
| GPU | N/A | Up to 3x Nvidia L4 | Up to 2x DW (A16, A30, A40, A800 China only), L40, L40s) Up to 2x SW (L4) ** | Up to 4x DW (A16, A30, A40, A800 (China only), L40, L40s) Up to 8x SW (L4) | Up to 2x DW (A16, A30, A40, A800 (China only), L40s, L40, Up to 2x SW (L4) | Up to 2 A2, and up to 1 L4, A30 (2U only) |
| Workload | Simple HCI workloads in ROBO | VDI, test/dev, private cloud, virtualized apps | Storage heavy, high performance, AI, Exchange, SharePoint, big data, MSSQL, Oracle | High Density with GPU, AI ML | High performance, multi-thread architecture workloads (VDI, database), AI/ML | Harsh edge environments requiring rugged nodes - Industrial Automation, Transportation, Military & Defense, Marine, and Telecom industries |
| Networking | OCP cards: Intel 10 and 25Gb; Mellanox 25 and 100Gb; Broadcom 10, 25 and 100Gb (not available on XC4000) Optional Network Interface Cards: Intel 10, 25 and 100Gb; Mellanox 25 and 100Gb; Broadcom 10, 25 and 100Gb Note: Foundation imaging requires min 10GbE interface | | | | | |

*No Controller for XC760-24N

**XC760-14 configuration does not support GPU options

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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 >



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