DELL EMC XC430 XPRESS

Simple, reliable, and affordable hyper-converged infrastructure solution.

Designed with the small business in mind

The XC430 Xpress combines industry leading PowerEdge x86 servers, with the proven Nutanix Xpress hyper-converged platform to natively consolidate server, storage, and virtualization in a single all-in-one infrastructure solution. Optimized for smaller environments, the XC430 Xpress is deployed in a space saving 3-4 node cluster to radically simplify onsite infrastructure. Powerful enough to consolidate all applications into a single cluster, yet simple enough to be managed easily by a single person. The XC430 Xpress is capable of running any virtualized workload, and is the perfect hyper-converged infrastructure solution for customers currently running or looking to deploy Microsoft® Hyper-V® in their environment. Each node is preconfigured in the factory with all software installed, so there is no additional virtualization licenses to buy. In addition to Hyper-V®, the XC430 Xpress also supports VMware® ESXi as well as Nutanix AHV to give users choice of hypervisor.

Enterprise class features – consumer simplicity

The XC430 Xpress combines many of the enterprise class features found on the XC Series, but has been optimized for smaller environments to make it consumer friendly.

- Installation choice: Installation is a quick and painless process that can be performed without specialized skills or certifications required. Each node ships ready to deploy from the factory with a fully validated software stack installed with up to date software, including Dell drivers and BIOS settings. Users can choose to self-install their cluster for the most affordable option, or take advantage of optional services like remote assist, or full deployment services performed by Dell EMC's ProDeploy team.

- Automation and intelligence: Enterprise class features automatically and intelligently work to ensure optimal performance and reliability from the cluster. Data is shared across all of the nodes to form a resilient self-healing cluster that eliminates any single points of failure. Automatic and adaptive data tiering ensures that data is placed in the optimal storage tier (SSD or HDD) to yield the fastest performance for frequently used data. Intelligent deduplication and compression reduces the footprint in the performance tier to allow more data to be stored on faster SSD technology, and reduces repetitive data in the capacity tier to maximize the effective storage capacity of the cluster.
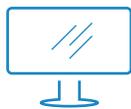
- Simplified infrastructure management: Nutanix Prism with Dell EMC system management tools allows users to simplify and automate the management of their virtual and physical IT infrastructure with ease. Prism provides a single intuitive interface that is designed with consumer grade simplicity in mind, while Dell EMC tools like Cluster Health provide comprehensive monitoring to proactively flag potential issues and even open trouble tickets through Dell EMC support automatically.

Integrated back-up capabilities

The XC430 Xpress includes integrated cloud back-up and data replication capabilities to protect mission critical data and keep businesses running in the event of a disaster. For smaller organizations that want to consolidate their IT infrastructure into a single cluster, the integrated Azure Backup Service seamlessly backs up vital data offsite. Usage based pricing and billing through Dell EMC gives single site organizations an affordable and convenient business continuity plan. Organizations that want to run a second cluster can use the data replication capabilities on the XC430 Xpress to share data between clusters. IT admins can quickly and easily set back-up schedules through Prism to automate the data protection process, so sharing data between sites and backing up to the cloud is a quick and painless process.

XC430 Xpress

Features	Technical Specification
Form factor	1U, 1 node
Workload	SMB VDI, SQL Server, Oracle applications or a datacenter in a box for smaller deployments
Dell EMC PowerEdge server platform	R430
Intel® Xeon® processors	Dual processor E5-2609 v4 – 1.7GHz, 20M, 8C/16T E5-2620 v4 - 2.1GHz, 20M, 8C/16T E5-2640 v4 - 2.4GHz, 25M, 10C/20T
Data drive options	4 x 3.5" drive slots SSD (maximum of 1): 400GB, 480GB, 960GB, 1.9TB HDD (maximum of 3): 2TB, 4TB, 6TB
DIMMs	16GB or 32GB RDIMMs installed in pairs
Memory configurations	64GB to 384GB
Hypervisor boot:	64GB SATADOM
Hypervisor options:	Microsoft® Windows Server® 2012 R2 with Hyper-V® Dell OEM Standard or Datacenter Edition Factory Installed VMware® ESXi™ 5.5 U3 and 6.0 (U1 and U2) Nutanix AHV
Integrated networking:	Standard: Quad-port 1GbE LOM Optional (Maximum of 2): Intel X540-T2 Dual Port 10GBASE-T OR Intel X520 Dual Port 10Gb DA/SFP+
License options:	Nutanix Xpress
Support:	1, 3 or 5-year co-terminus ProSupport (4 hr. and NBD) or ProSupport Plus comprehensive XC Series support with Nutanix assist Nutanix 1, 3 or 5-year Software Maintenance/Assurance
Data storage controller:	Dell EMC SAS HBA330 Max total Ethernet ports: 8

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