Dell PowerVault NX3200 Network Attached Storage

The Dell™ PowerVault™ NX3200 is a capacity-dense, dedicated NAS solution integrated with advanced file-sharing software designed to help smaller offices stay efficient and productive. It's also flexible enough to support applications (block data) to make sure people with limited resources can save time and don't have to manage separate types of storage.

Share files and applications in your office

The PowerVault NX3200 has been designed to meet the needs of customers who prefer a Windows® OS environment. The NX3200 can store up to 48TB* in a single 2U chassis. This high-density appliance is ideal for branch offices needing capacity, or as a backup and disaster recovery option. The NX NAS series provides file shares for centrally storing unstructured data, such as: word processing, spreadsheet and presentation files among many users.

Dell integrates the established Microsoft Storage Server operating system with the PowerVault NX NAS appliance. Windows Storage Server 2012 is designed to improve reliability and performance. It offers quick deployment and easy management.

Put the latest storage technology to work for you

Integrated with Windows Storage Server 2012, the NX3200 is a powerful and affordable storage appliance that allows users to take advantage of the best of both Dell PowerEdge™ server hardware and Windows Server 2012 software to provide ease of use across your server and storage platforms with a familiar interface. The NX3200 is shipped from the factory with the operating system pre-installed, so the storage appliance can be up and running quicker than if the you had to build a file server from scratch.

Small or mid-size businesses will find the 2U NAS an easy to use storage appliance. The raw capacity for this storage solution can store up to 48TB* using 4TB* NL-SAS drives. You can choose from high-capacity or high-performance SAS, near-line SAS or SATA hard drives. The appliance can be managed in a remote office leveraging the familiar Microsoft Windows server management interface or Dell's iDRAC7.

Windows Storage Server 2012 feature enhancements

Dell integrates the best of our PowerEdge servers with Windows' latest Storage Server software designed to improve reliability and performance. Windows Storage Server 2012 has enabled the Server Message Block 3.0 (SMB3.0) protocol, which can improve performance with multichannel failover and is designed to increase the reliability of application-specific capabilities for Microsoft SQL Server and Hyper-V. Additional data management optimization is achieved with thin provisioning, deduplication and compression to optimize capacity allocation on the NAS. If using this in a remote office, then the new BranchCache feature can be utilized to improve branch office connectivity on low speed, high latency links.

An affordable NAS appliance harnessing the innovations of Windows Storage Server 2012

Features	Dell PowerVault NX3200
Operating system	Microsoft Windows Storage Server 2012 Standard Edition
File access protocols	CIFS, NFS, FTP, SMB3.0, SMB Direct (RDMA)
Block access protocols	Microsoft iSCSI target
Form factor	2U rack-mount system
Processors	1GB - 1 x E5-2609 2.40GHz, 10M cache or 2 x Intel E5-2630 2.50GHz, 15M cache 10GB - 2 x Intel E5-2630 2.50GHz, 15M cache
Number of drives	Up to 12 – 3.5" drives for a total of 48TB
Drive types	SAS, NL-SAS and SATA
External expansion	Not pre-configured for expansion. To enable expansion with non-redundant storage, add a PERC card and attach PowerVault MD1200 expansion module(s).
RAID	OS (RAID 1), data drives RAID 5 or RAID 6 (minimum 4HDDs)
Chassis dimensions	Height: 8.73cm (3.44"); Width: 48.2cm (18.98"); Depth: 75.58cm (29.75"); Max Weight 32.5kg (71.65lb)
Power	Platinum efficiency 495W, 750W or Platinum+ efficiency 1100W power supplies, auto-ranging power supplies
Fans	Standard redundant cooling
Availability	Hot-plug hard drives, hot-plug power
Management	Dell OpenManage™ featuring Dell Management Console or Windows Server Management interface iDRAC 7 Enterprise or Native Java RDP plug-in
Data protection features	SIS, DFS-R, snapshots (VSS), FCI
Rack support	Sliding ReadyRails™ for 4-post rack, static; ReadyRails for 4-post and 2-post racks
Regulatory and environmental compliance	Regulatory model E14S; Regulatory type E14S001
Slots	6 PCIe slots: Two x16 full-length, full-height One x8 full-length, full-height Three x8 half-length, half-height

*TB equals 1 trillion bytes; total accessible capacity varies depending on operating environment.

Simplify your storage at DellStorage.com/PowerVault