



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 Windows Storage Server operating system with the PowerVault NX NAS appliance. Windows Storage Server 2012 R2 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 (WSS2012) R2, 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 R2 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 R2 features

A new feature in Windows Storage Server 2012 R2 is called Work Folders. This feature allows you to Bring-Your-Own-Device (BYOD) so you can access work files from your personal computer or device, while keeping your organization's data safe through centralized controls, encryption and lock screen passwords.

Additionally there are new Storage Spaces functions that include storage tiering, SSD write-back cache, parity storage

spaces on failover clusters, dual parity storage spaces, and faster recovery. An improved Storage Management API adds cluster awareness and remote management for these new Storage Spaces features.

WSS2012 R2 also enhances several of the current WSS2012 features, such as SMB protocol, iSCSI Target, DFS Replication, Deduplication. Changes to Failover Clustering and enhanced support for Hyper-V® have made it faster and easier to implement continuous availability.

Dell integrates the best of our PowerEdge servers with Windows' latest Storage Server software designed to improve reliability and performance. WSS2012 R2 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. Thin provisioning, deduplication and compression provides additional data management optimization by optimizing capacity allocation on the NAS. For remote offices, the new BranchCache® feature improves branch office connectivity on low-speed, high-latency links.

An affordable NAS
appliance harnessing
the innovations of
Windows Storage
Server 2012 R2

Features	Dell PowerVault NX3200
Operating system	Microsoft Windows Storage Server 2012 R2 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™ II 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

* GB means 1 billion bytes, TB equals 1 trillion bytes and PB equals 1 quadrillion bytes; total accessible capacity varies depending on operating environment.

Global services and support

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.

Simplify your storage at DellStorage.com/PowerVault

