



Dell Storage NX3230

The Dell Storage NX3230 is a capacity-dense, dedicated network-attached storage (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 Dell Storage NX3230 has been designed to meet the needs of customers who prefer a Microsoft® Windows® OS environment. The NX3230 can store up to 96TB with 8TB HDDs 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 NX NAS appliance. Windows Storage Server 2012 (WSS2012) R2 is designed to improve reliability and performance, and offers quick deployment and easy management.

Put the latest storage technology to work for you

Integrated with WSS2012 R2, the NX3230 is a powerful and affordable storage appliance that allows you to take advantage of the best of both Dell™ PowerEdge™ server hardware and WSS2012 R2 software to provide ease of use across your server and storage platforms with a familiar interface. The factory pre-installs the operating system so that your NX3230 can be up and running more quickly than if you built a file server from scratch.

Small or midsize businesses will find the 2U NAS easy to use. This solution offers up to 96TB of raw capacity using 8TB NL-SAS drives. You can choose from high-capacity or high-performance SAS, near-line SAS or SATA hard drives. Plus you can manage the appliance from a remote office by leveraging the familiar Microsoft Windows server management interface or Dell's iDRAC8.

Windows Storage Server 2012 R2 features

A new feature in WSS2012 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 Microsoft Storage Spaces functions that include storage tiering, SSD write-back cache 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, and 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 (SMB 3.0) 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 Storage NX3230
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	Intel® Xeon® E5-2609 v3 1.9GHz, 15M cache, 85W or Intel Xeon E5-2630 v3 2.4GHz, 20M cache, 85W
Number of drives	Up to twelve 3.5" drives for a total of 96TB* using 8TB NL-SAS HDDs
Drive types and capacities	SATA 7.2K RPM: 2TB, 4TB NL-SAS 7.2K RPM: 1TB, 2TB, 4TB, 6TB, 8TB SAS 10K RPM: 600GB, 1.2TB SAS 15K RPM: 600GB
External expansion	PowerVault™, EqualLogic™ and Compellent™ controllers and arrays
RAID	Standard options: OS HDDs (on rear 2.5" HDDs) is always RAID1. Data HDDs can be configured from factory in RAID5 or RAID6 (minimum 4 HDDs). The internal PERC can support additional customer configurable RAID options. Custom options: As supported by internal PERC H730 (0, 1, 5, 6, 10, 50, 60) Controller: PERC H730 (internal HDDs)
Chassis dimensions	H: 8.73 cm (3.44 in.) x W: 44.40 cm (17.49 in.) x D (excludes bezel): 68.40 cm (26.92 in.) Maximum weight: 27.6 kg (60.84 lb)
Power	Redundant and non-redundant hot-plug 750W and 1100W PSU options
Fans	Standard redundant cooling
Availability	Hot-plug hard drives, hot-plug redundant power, hot-plug redundant cooling, ECC memory
Management	Dell OpenManage™ featuring Dell Management Console or Windows Server Management interface iDRAC8 Express or Enterprise
Data protection features	Replication (DFS-R), Snapshots (VSS)
Rack support	ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional toolless cable management arm
Slots	Six PCIe 3.0 slots (four with x16 bandwidth and two with x8 bandwidth)

* 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 Dell.com/Storage.

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