



# Dell PowerVault NX3100 Network-Attached Storage

The Dell™ PowerVault™ NX3100 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 up to 384TB of Files and Applications in Your Office

The PowerVault NX3100 is a capacity-dense system dedicated for information-sharing of both file and block data. It packs 24TB of internal capacity in a short, 2U chassis using the available 12 hard drive bays. Start consolidating your multiple file servers today by expanding externally up to 384TB using any of Dell's PowerVault, EqualLogic™ or EMC arrays.

Network File System (NFS) consolidates all of your file-sharing resources to help improve productivity. Users can now easily collaborate because they can share data across Windows® and non-Windows clients. Through NFS, data can be replicated through Distributed File System (DFS), protected by Volume Shadow Copy (VSS) backup solutions and reported and monitored by File System Resource Manager (FSRM).

## Put the Latest Storage Technology to Work for You

The PowerVault NX3100 offers the right levels of capacity and storage software to keep you efficient. Choose from high-capacity near-line SAS drives up to 2TB each or higher-performance SAS drives up to 600GB to customize your NX3100 for your environment. Plus, you can expand externally with fast, 6Gb SAS arrays, like Dell's PowerVault MD1200 and MD1220, to dynamically grow your valuable sharing space without compromising performance.

Stay focused on your business with advanced storage features in Microsoft's proven Windows® Storage Server 2008 software. Single-instance storage (SIS) is file-level deduplication that improves file performance and optimizes disk capacity by actively comparing and eliminating identical files. This process is transparent to end users and applications and requires no user intervention.

## Setup and Manage Your Information with Ease

Don't waste time building file servers from scratch. The PowerVault NX3100 arrives with everything you need to easily share information, saving you valuable time. Dell integrates Microsoft's Windows® Storage Server 2008 with convenient setup wizards, like the Initial Configuration Task tool, to get your NAS up and running quickly with few steps. It seamlessly fits into your current Windows® environment, allowing you to leverage the same management and protection tools already deployed. In fact, Windows® Storage Server 2008 includes unlimited Client Access Licenses (CALs), so you won't have to worry about keeping pace with additional users.

Set quotas, run reports and get visibility to your files and storage statistics with File Services Resource Manager (FSRM). This will help improve compliance and control over your file services. It also helps in planning and implementing future policy changes and the addition of storage capacity to meet your businesses growth. By combining storage allocation, share management for CIFS/SMB, as well as NFS, you gain a single view for all of your file serving responsibilities.

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Consolidate your file servers and make your information sharing more efficient with up to 24TB of internal capacity.

Dell™ PowerVault™ NX3100	Technical Specification
Operating System	Windows® Storage Server 2008 Standard Edition
File Access Protocols	CIFS, NFS, FTP
Type of Data Supported	File and Block
Form Factor	2U rack-mount
Number of Processors	1 or 2
Processors Supported	Intel® Xeon® E5506, 1.86GHz/4M, 2C 80W & 5620 procs
Memory	6GB, 12GB or 24GB DDR3
Internal Data Drives	12, 3.5" data drives (there are also two additional, 2.5" drives for the OS)
Max Internal Capacity	24TB raw (with near-line SAS)
Drives Supported	SAS (15K): 450GB, 600GB Near-line SAS (7.2K): 1TB, 2TB
External Scalability	PowerVault, EqualLogic and EMC arrays (DAS and SAN)
Slots	2 x4 PCIe + 1 x8 PCIe
Hardware RAID Levels (factory-installable options)	R1 + R5/R1 + R6
Hardware RAID Levels (custom-configurable options)	0, 1, 5, 10, 50, 6
RAID Controller	H700 (internal drives), H800/PERC6E (external drives)
Availability	Hot-plug hard drives, Hot-plug redundant power, Hot-plug redundant cooling
Cluster Support	No
Management	Dell OpenManage™ featuring Dell Management Console
Remote Management	Optional iDRAC Enterprise or Native Java RDP plug-in
Data Protection Features	SIS, DFS-R, Snapshots (VSS)
Chassis	3.42 H x 17.53 W x 26.17 D (in) 86.7 H x 445.2 W x 664.6 D (mm)
Rack Support	ReadyRails™ sliding rails for 4-post racks, static ReadyRails™ for 4-post and 2-post racks
Regulatory and Environmental Compliance	Regulatory Model: E13S (12 Hard Drives Configuration) Regulatory Type: E13S001 (12 Hard Drives Configuration)

Simplify your information sharing at [Dell.com/PowerVault](http://Dell.com/PowerVault)

