

Dell Network Attached Storage

Direct-to-network storage servers that are easy to use and quickly deployed in a variety of network environments.

PRODUCTS

	POWERSHIELD™ 745N	POWERSHIELD 770N	POWERSHIELD 775N
	Network Attached Storage - 1U Rack	Configurable Storage Server - 5U Rack or Tower	Configurable Storage Server - 2U Rack
	<p>Providing cost-effective storage and consolidation</p> <ul style="list-style-type: none"> • Rapid deployment • Built in multi-platform support – including Microsoft® Windows® NT/2000, Macintosh®, UNIX NFS, Linux® and NetWare® • Enhanced data protection and system availability • Simplified zero-impact upgradeability • Low up-front costs • Optional print services 	<p>Providing storage that can be configured with additional power or value options to meet your needs</p> <ul style="list-style-type: none"> • Consolidation for clients and servers in departmental branch offices • Optimized for Windows environments • Database storage, Web content, streaming media, graphics and video, document images • Library for drive images, software updates and technical manuals • Transition storage during server upgrades • Can be attached to Dell/EMC fibre channel arrays or to a Dell/EMC® SAN 	<p>Providing high performance, rack dense storage that can be configured to meet your needs</p> <ul style="list-style-type: none"> • Consolidation for clients and servers in departmental workgroups • Optimized for Windows environments • Database storage, Web content, streaming media, graphics and video, document images • Library for drive images, software updates and technical manuals • Transition storage during server upgrades • Can be attached to Dell/EMC fibre channel arrays or to a Dell/EMC SAN
FEATURES			
Processor	Intel® Celeron® at 2.4 GHz, Intel Pentium® 4 at 2.8 GHz or 3.2 GHz	Up to two Intel Xeon™ processors at 2.4GHz or 2.8GHz	Up to two Intel Xeon processors at 2.4GHz to 2.8GHz
Front side bus	800MHz	533MHz	533MHz
Memory	Up to 4GB DDR400 SDRAM	512MB to 4GB 200MHz ECC DDR SDRAM	512MB to 4GB 200MHz DDR SDRAM
Internal disk capacity	Up to 40GB Up to 80GB Up to 120GB Up to 250GB	Up to 876GB	Up to 438GB
Total storage capacity	Up to 160GB Up to 320GB Up to 480GB Up to 1TB	Up to 34.4TB (configured with eight SCSI storage arrays fully populated with 146GB drives); Over 40TB (with fibre channel)	33.4TB (configured with eight external SCSI storage arrays fully populated with 146GB disk drives); Over 40TB (with fibre channel)
Network types	CIFS/SMB, NFS, NCP, AFP, WEBDAV, HTTP, FTP, CIFS/Samba, NDMP, SNMP	CIFS/SMB, NFS, NCP, AFP (Apple), HTTP 1.1, WebDAV, FTP, DFS, Novell NetWare®	CIFS/SMB, NFS, NCP, AFP (Apple), HTTP 1.1, WebDAV, FTP, DFS, Novell NetWare
Client support	Microsoft Windows 95/98/2000, Microsoft Windows NT®, Windows XP Home, Windows XP Professional, Novell IntranetWare clients for Windows, SunOS and Solaris®, SCO UNIX, Red Hat® Linux®, Macintosh® System OS	Microsoft Windows 95/98/2000, Microsoft Windows NT, Windows XP Home, Windows XP Professional, Novell IntranetWare clients for Windows, SunOS and Solaris, SCO UNIX, Red Hat Linux, Macintosh System OS	Microsoft Windows 95/98/2000, Microsoft Windows NT, Windows XP Home, Windows XP Professional, Novell IntranetWare clients for Windows, SunOS and Solaris, SCO UNIX, Red Hat Linux, Macintosh System OS
Communication protocols	TCP/IP, IPX, NetBEUI, AppleTalk®	TCP/IP, UDP/IP, IPX, FTP, SNMP, SMTP, DHCP, AppleTalk®	TCP/IP, UDP/IP, IPX, FTP, SNMP, SMTP, DHCP, AppleTalk
RAID	SW 0, 1, 5, 10, 50 HW 0, 5 Ext. 0, 1, 5, 10, 50	RAID 0, 1, 5, 10, 50	RAID 0, 1, 5, 10, 50
Storage technology	Ultra PATA /133 (EIDE)	Ultra320 (U320) SCSI, fibre channel	Ultra2/Ultra3 SCSI, fibre channel
Available PCI expansion slots	Two	Seven	Three PCI-X
Backup	External SCSI backup	External SCSI backup or SAN-based backup	External SCSI backup or SAN-based backup
Availability	Journal file system for fast recovery; ActiveArchives™ point-in-time copy; mirrored OS for boot failover; integrated NIC port failover; native multiple file system support; hot swap drives; optional NSI® Double Take for mirroring	Journal file system for fast recovery; VSS integrated snapshots; mirrored OS for boot failover; online addition of file systems; online file system expansion; native multiple file system support; embedded ESM-4 for remote access; Eight way FC cluster supports all domains including non-windows domains with use of DC promo to promote NAS cluster node to a DC; Windows Storage Server 2003; file and print; Optional: Dell Remote Access Card (DRAC), NIC port failover, redundant power supplies, redundant fans, clustering for CIFS and NFS, IP redirection and online hot spare disk, NSI DoubleTake for mirroring	Journal file system for fast recovery; VSS integrated snapshots; mirrored OS for boot failover; online addition of file systems; online file system expansion; native multiple file system support; embedded ESM-4 for remote access; dual embedded 10/100/1000 NICs; Eight way FC cluster supports all domains including non-windows domains with use of DC promo to promote NAS cluster node to a DC; Windows Storage Server 2003; file and print; Optional: NIC port failover, redundant power supplies, redundant fans, clustering for CIFS and NFS, IP redirection and online hot spare disk, NSI DoubleTake for mirroring
Form factor	Storage server: 1U rack	Storage server: tower or 5U rack-mount; Expansion storage: 3U	Storage server: 2U; SCSI expansion storage: 3U

Limited warranty¹ and Service and Support are provided with all Dell servers including 30 Day Getting Started Phone Support², 7x24 lifetime technical phone support, E-support, and NBD on-site³ response.

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