

DELL POWERVAULT 114T/114X TAPE RACK ENCLOSURE



The Dell™ PowerVault™ 114T/114X tape rack enclosure allows up to two tape drives to be externally attached to up to two PowerEdge™ rack servers or PowerVault network attached storage systems

SPACE-CONSCIOUS, FLEXIBLE CAPACITY

The Dell PowerVault 114T/114X rackable subsystem offers a cost-effective, scalable solution for a variety of tape backup and archival needs. Holding up to 1.6 TB¹ of native data (when using two LTO-4-120 drives), it provides excellent capacity in a 2U form factor that addresses your critical space concerns. Plus, it can be configured with up to two LTO-4-120, two LTO-3, full-performance two LTO-3-060, two LTO-2-L or two DAT72 tape drives for exceptional flexibility and scalability.

PERFORMANCE

The PowerVault 114T/114X incorporates many tape technologies commonly used today and is designed to complement Dell PowerEdge rack servers and Dell PowerVault network attached storage. When configured with LTO™ drives, the PowerVault 114T/114X delivers impressive performance and high levels of reliability, giving you a dependable, high-performance backup solution. What's more, two SCSI ports or two SAS ports with LTO-3 full performance and LTO-4-120 enable two drives to run in parallel, which can help reduce backup time for multiple server environments.

CAPACITY

The PowerVault 114T/114X holds up to 1.6 TB¹ of compressed (2:1) data when using LTO-4-120 drives (114X). This allows a very high capacity for backing up in a slim-rack optimized format.

EASE OF USE

As an extension to the PowerVault lineup of products, the PowerVault 114T/114X allows you to easily connect drives externally while still incorporating a rack-optimized backup solution into your environment. Compatible with Dell rail kits, the tape rack enclosure can typically be installed in minutes.

The PowerVault 114T/114X offers easy manageability. It is simple to deploy, use and maintain with a tool-less chassis that enables you to install or remove a drive or component quickly. And the top of the unit is removable to allow easy access to the drives and components. Plus, it features two drive bays, two SCSI cables, a power supply and fans. The subsystem also includes two status LEDs on the front bezel so you know at a glance that your system is operating correctly. The PowerVault 114T/114X is ideal for customers who require an affordable, simple-to-use tape storage solution that incorporates a wide range of tape technologies while providing exceptional capacity and performance in a small form factor.

RELIABILITY

The PowerVault 114T/114X uses highly reliable “super drives” in the LTO-4, LTO-3 and LTO-2 drive technologies which typically boast 250,000 MTBF (Mean Time Between Failure) and can be counted on to provide solid reliability to help increase uptime.

¹GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.



INTRODUCING DELL PRO SUPPORT

Designed to address the technology challenges you face today. Designed for IT professionals like you, Dell ProSupport² for IT provides 7x24 direct access to Dell Expert Centers, fast-track dispatch of parts and labor without phone troubleshooting when desired for Dell-certified technicians, and escalation management through Dell's Global Command Centers. In addition, Dell ProSupport Options align with the way you use technology by providing rapid response to your needs, protecting your investment, productivity and sensitive data, and enhancing proactive support services to reduce the risk and complexity of managing your infrastructure.

Speed of Response

With the Mission Critical option you get priority response for server and storage environments where avoiding unplanned downtime and reducing recovery time are critical. Includes priority 4-hr onsite service or optional 2-hr response with 6-hr hardware repair, Dell's proven Critical Situation process, and emergency dispatch.

Protection

With Keep your Hard Drive⁴ you retain control of your sensitive data and comply with data privacy regulations (to help mitigate regulatory and civil liability risks) by keeping your hard drive.

Premium Proactive

With the Enterprise-Wide Contract option, you get enhanced, proactive capabilities via a designated Service Delivery Manager, performance benchmarking and custom reporting, and planning and assessments. Our Proactive Maintenance option proactively maximizes the availability and stability of your infrastructure. Includes a detailed system assessment and implementation of driver or firmware updates and upgrades for your server or storage systems. Remote Advisory Options provides telephone and Internet access to technical expertise for specialized applications and solutions such as Microsoft Exchange, Virtualization, and more.

ADDITIONAL SERVICE OFFERINGS

Comprehensive Storage Training and Certification

Provides expertise for integrating Dell storage into an existing IT infrastructure. For company compliance, an advanced Certification path is available for validating or maintaining skill sets.

Backup and Recovery

Solutions that help ensure adequate procedures are in place to minimize or avoid data loss.

Storage Consolidation

Our storage experts can analyze your existing infrastructure, operational practices and technical readiness, and develop a detailed consolidation deployment plan that includes a validated and refined solution design.

²ProSupport Technical Support: Must be purchased in conjunction with Limited Warranty. The ProSupport Queue is designed to provide 2 minutes or less average speed of answer, provided the correct, toll-free ProSupport number is called by the customer. Hold times in the ProSupport Queue may be affected by multiple variables including, but not limited to: time of day, product release cycle, product recall occurrences and total number of ProSupport customers.

³ProSupport Service Plans: Service may be provided by a third party. Technician will be dispatched if necessary in parallel with phone-based troubleshooting for severity level 1 issues on systems with ProSupport Mission Critical or Same Day Response service. Technician will be dispatched if necessary following phone-based troubleshooting for all other severity levels and on-site response service levels. Repair time is measured from dispatch time of the on-site response service. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. U.S. only.

⁴The defective hard drive must still be covered by the hardware limited warranty.

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FEATURES	DELL POWERVAULT 114T TAPE RACK ENCLOSURE
Form Factor	2U rack enclosure
Easy to Use	Tool-less design
Storage Capacity¹ (Native)	With two LTO-4-120 drives: up to 1.6 TB Native (114x) With two LTO-3 (full-performance) drives: up to 800 GB Native With two LTO-3-060 drives: up to 800 GB Native With two LTO-2-L drives: up to 400 GB Native With two DLT VS160 drives: up to 160 GB Native With two DAT72 drives: up to 72 GB Native
Backup Rate (Native)	With two LTO-4-120 drives: up to 864 GB/hr Native (114x) With two LTO-3 (full-performance) drives: up to 576 GB/hr Native With two LTO-3-060 drives: up to 432 GB/hr Native With two LTO-2-L drives: up to 172.8 GB/hr Native With two DLT VS160 drives: up to 57.6 GB/hr Native With two DAT72 drives: up to 25.2 GB/hr Native
Reliability	250,000 hours MTBF ² at 100% duty cycle
Hardware	PowerEdge 700, 800, 840, 860, 1750, 1800, 1850, 1900, 1950, 2600, 2650, 2800, 2850, 2900, 2950, 2970, 4600, 6600, 6650, 6800, 6850, 6950, R200, R300 SC1435, 1950, 2970, R900, 6950, NF 500, NF 600, DP500, DP600 PowerVault 745N, 770N, 775N
Operating Systems	Microsoft Windows Server 2003 Microsoft Windows Server 2008 Red Hat Enterprise Linux 4 Red Hat Enterprise Linux 5 SUSE Linux Enterprise Server 9 SUSE Linux Enterprise Server 10
Backup Software Supported	Yosemite Technologies™ TapeWare™ for Microsoft® Windows,® Novell® NetWare,® and Linux® Symantec™ Backup Exec™ for Microsoft Windows and Novell NetWare CommVault® Galaxy™ for Microsoft Windows, Novell NetWare, and Linux
Height	3.45" (87.26 mm) for 114T; 3.42" (86.9 mm) for 114X
Width	16.75" (425.45 mm) for 114T; 19.0" (482.5 mm) for 114X
Length (Depth)	20.5" (520.7mm) for 114T; 18.93" (480.7 mm) for 114X
Shipping Weight	64 lbs max with LTO-3 Tape Drive
Orientation	Horizontal
Configurations	Rack mount
User Interface	The user interface includes a power on/off switch and an LED for fan status on the front panel. The power indicator LED will indicate green when the system is powered on. If a fan should fail the status LED will indicate yellow and remain yellow until the system is power cycled. The tape drives are accessible from the front.
Operating Temperature	50 to 104 degrees F (10 to 40 degrees C)
Non-operating Temperature	Drive Dependent
Operating Humidity	20 to 80%
Non-operating Humidity	Drive Dependent
Power Requirements	100-208 VAC
Power Consumption	Up to 85w with two drives running

