



Dell PowerVault 124T Tape Autoloader

The Dell™ PowerVault™ 124T secure tape autoloader brings high density, expandable and remote management backup capabilities to small and medium businesses in a compact, affordable 2U form factor.

Expandable Automated Backup Delivers True Value

The Dell PowerVault 124T tape autoloader is designed to provide organizations with maximum secure storage capacity in a space and resource-saving 2U rack mount chassis. The affordable PowerVault 124T offers expandability and delivers features found previously only in high-end libraries. Its magazine style architecture enables you to double your storage capacity by upgrading from eight to sixteen cartridges. Plus, you have a choice of equipping the autoloader with LTO-5, LTO-4, LTO-3 or LTO-3-060 tape drives. This forward compatibility can mean further cost savings by helping to ensure investment protection.

Administrative Ease Can Save Time And Money

The PowerVault 124T is designed to automate administrative backup tasks so that administrators can focus on other efforts. Remote management through a web-based browser provides the ability to oversee backup operations from any PC. Plus, automatic cartridge swapping helps reduce the risk for human error sometimes caused by manually switching cartridges. The PowerVault 124T automated capabilities can also simplify large or frequent backup scenarios.

Crafted for easy installation and use, the PowerVault 124T can quickly be implemented into existing networks. The removable eight-slot magazines enable fast bulk tape loading while the standard bar-code reader helps save time, allowing administrators to randomly or sequentially access their cartridges.

A Validated Backup Solution Designed To Ensure Peace of Mind

The PowerVault 124T offers seamless integration with customer networks. It works with different network operating systems such as Windows®, Linux® and NetWare®. Additionally, it supports leading applications from Symantec Backup Exec,™ Computer Associate Arcserve and CommVault® Galaxy.™

To help ensure compatibility and easy implementation, the PowerVault 124T is Dell certified, tested and validated for use on Dell hardware including PowerEdge™ servers and select storage devices. It is also backed by Dell technical support for the length of your limited warranty.¹ The PowerVault 124T is a premier tape autoloader for busy administrators, delivering dense storage capacity in a 2U form factor at an affordable price.

Introducing Dell Prosupport

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 Drive³ 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.

¹ For a copy of limited warranty, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, TX 78682, or visit <http://www.dell.com/warranty>

² ProSupport 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.

³The defective hard drive must still be covered by the hardware limited warranty.

⁴GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

⁵Actual performance is dependent on settings, user environment, and applications.

Feature	Technical Specification
Reliability	
Mean Cycles Between Failure (MCBF)	> 400,000 cycles (excluding drive)
Mean Time To Repair (MTTR)	Less than 30 seconds
Typical Cycle Time	< 20 seconds
Initialize Element Status	90 seconds (typical)
Mean Cartridge Lod Time	30 seconds
Physical	
Dimensions (H x W x D)	3.4" x 16.77" x 27.52" (8.64 cm x 42.59 cm x 69.90 cm)
Number Of Slots	8 or 16
Drive Types	LTO-5, LTO-4, LTO-3
Drive Interface	<ul style="list-style-type: none"> LVD SCSI (LTO-3, LTO-3-060) SAS (LTO-3-060, LTO-4-120, LTO-5-140)
Rack Height	2U
Weight	31.1 lbs. (14.10 kg)
Interface	Ultra 160 LVD SCSI, SAS
Barcode Reader	Standard or PV124T
Environmental	
Operating Temperature	10 to 35 degrees celcius
Non-operating Temperature	-40 to 65 degrees celcius
Operating Humidity	20 to 80% RH; noncondensing
Non-operating Humidity	10 to 90% RH; noncondensing
Power	
Requirements	90-256 VAC auto-ranging; 47-63 Hz
Inrush Current	4.0 A (RMS) for 115 VAC 4.0 A (RMS) for 230 VAC
Consumption	60 Hz = 75W; 50 Hz = 80W
Drives And Performance	
Media Backward Read Compatible	LTO-3: LTO-3, LTO-3 WORM, LTO-2, LTO-1 (Read Only) LTO-4: LTO-4, LTO-4 WORM, LTO-3, LTO-3 WORM, LTO-2 (Read Only) LTO-5: LTO-5, LTO-5 WORM, LTO-4, LTO-4 WORM, LTO-3 and LTO-3 WORM (Read only)
MaximumCapacity (native) ⁴	up to 6.4 TB (LTO-3), up to 12.8 TB (LTO-4) up to 24 TB (LTO-5)
Maximum Native ⁵ Backup Rate	LTO-3-060: up to 60 MB/s; up to 216 GB/hr LTO-3: up to 80 MB/s; up to 266 GB/hr LTO-4-120: up to 120 MB/s; up to 432 GB/hr LTO-5-140: up to 140MB/s; up to 504GB/hr

Simplify Your Network at Dell.com/storage

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