



# Dell PowerVault TL2000 Tape Library

Compact, automated and easy-to-use tape library that delivers up to 36TB native (LTO-5) capacity with minimal investment.

## Simple, Automated, Affordable

You know the value, convenience, and security that tape libraries bring to backup and archiving strategies — and now, Dell puts it all within the reach of your organization. Dell's PowerVault TL2000 Tape Library offers simple and affordable tape automation for organizations whose data-protection needs have outgrown autoloader technology. It is the solution of choice for small and medium businesses that require affordable, easy-to-use, automated tape backup.

Now your organization can enjoy the benefits of hands-off, around-the-clock operation. With an ease and cost-effectiveness not available in tape autoloaders, you can help free up IT resources, minimize human error, back up data quickly and predictably, create off-site archive copies of data to meet compliance requirements, and bolster your disaster-recovery strategy.

## Help free up resource and improve reliability

Free yourself from the inconvenience of manual involvement in backup and recovery. Dell™ PowerVault™ TL series tape libraries contain multiple slots for storing tape media and use a robotic mechanism to move media automatically allowing for unattended and independent operation. To keep contents properly organized, a bar code reader inventories and tracks all tapes stored in the library. PowerVault TL2000 tape libraries feature an optical cartridge-location technology for precision cartridge handling and inventory.

## Many data-protection challenges — One simple solution

The PowerVault TL2000 tape library enables two critical data-protection activities: backup and archiving.

**Backup:** Create on-site backup copies of data, using the rewritable functionality of LTO media. Many industry-standard backup software offerings are tested and validated to run smoothly on TL series tape libraries.

**Archiving:** Create permanent, portable archive copies of data using WORM (Write Once, Read Many) capability. WORM enables you to create data copies that cannot be overwritten, to help you comply with government and industry data-protection requirements. Tape media is easily portable — it lets you affordably archive your important data offsite to enhance your disaster-recovery strategy.

## Simplicity, from the start

PowerVault TL2000 tape libraries are compact, easily customer-installable, and connect to a server or a SAN. The PowerVault TL2000 features an intuitive operator control panel, plus remote Web management — you can perform setup and diagnostics, check status, monitor operations and logs, and upgrade firmware all from any standard Web browser.

## The right capacity and features for your organization

The PowerVault TL2000 tape library is delivered ready to rack mount, and packs tremendous capacity into a small package: up to 36TB in only two units of rack space. The PowerVault TL2000 tape library is a 2U solution that holds up to 24 tapes for a native capacity of up to 36TB with LTO-5 tape media. LTO-5 backs up a staggering 504GB per hour per drive or 1008GB with 2 drives, making the PowerVault TL2000 tape library ideal for growing data-protection needs. Library Managed Encryption is available with LTO-4 and LTO-5 technology for added security. The PowerVault TL series also retains the backward read-and-write compatibility with the prior generation of LTO and read compatibility with two generations back.

## Dell's PowerVault TL2000 Tape Library changes the economic of storage

If your backup requirements have outgrown autoloader technology, the PowerVault TL2000 tape library is the ideal next step. Now you can enjoy the ease and affordability of an autoloader with the performance, capacity, and reliability of a tape library.

## Support for your Dell iSCSI SAN

To supplement the growth in iSCSI SANs, Dell has introduced an iSCSI-to-SAS bridge card for the TL-series tape libraries (Dell PowerVault TL2000 & TL4000). This solution allows users to add in a tape backup target to an iSCSI 1Gb Ethernet SAN utilizing little to no degradation in transfer speed, 90Mb/s in most cases.

## Introducing Dell ProSupport

Designed to address the technology challenges you face today. Designed for IT professionals like you, Dell ProSupport for IT provides 24/7 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 optional services align with the way you use technology by providing rapid response to your needs, helping to protect your investment, productivity and sensitive data, and enhancing proactive support services to help reduce the risk and complexity of managing your infrastructure.

### Speed of Response

With the Mission Critical<sup>1</sup> option, you get priority response for server and storage environments when avoiding unplanned downtime and reducing recovery time are critical. Includes priority 4-hr on-site<sup>1</sup> service or optional 2-hr response<sup>1</sup> with 6-hr hardware repair,<sup>2</sup> Dell's proven Critical Situation process, and emergency dispatch.

### Protection

With the Keep Your Hard Drive<sup>2</sup> option, 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 is designed to proactively maximize 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 option 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.

To help you get the most from your Dell systems, visit [DELL.COM/Services](http://DELL.COM/Services). Services vary by region.

<sup>1</sup> For terms of service, please visit [www.dell.com/servicecontracts](http://www.dell.com/servicecontracts).

<sup>2</sup> The defective hard drive must still be covered by the hardware limited warranty.

Features	Dell™ PowerVault™ TL2000 Tape Library
Height	2U form factor Rack Mount 3.4" (87.6mm)
Width	Rack Mount 17.6" (447.5 mm)
Length (Depth)	Rack Mount 29.13" (740 mm)
Weight	34.37 lbs. with one drive and no media
Orientation	Horizontal only
Configurations	Rack mount standard (desktop conversion kit included)
Supported Tape Drive Technologies	LTO-3-060, LTO-3, LTO-4-120, LTO-5-140
Bar Code Reader	Standard
Code Updates	Web and either host bus or RMU for drives Web and RMU only for library code updates
Slots	24
Drive Interface	iSCSI, SAS, or FC
User Interface	There are two user interfaces: <b>Operator Control Panel</b> Located on the front of the PV TL2000 tape library, the user can use the LCD panel to check system status, run diagnostics, view system logs, check and set configurations, verify drive operations, run an inventory, and manage the system. <b>Remote Web Management</b> The Web-based administration can be accessed via a 10/100 BaseT connection through any standard Web browser. The user can check system status, run diagnostics, view system logs, check and set configurations, verify drive operations, run an inventory, and manage the system. In addition, the user can upgrade the drive and library firmware via the RMU.
Configurations	1 LTO-3 SCSI Full-Height Drive 1 LTO-3 FC4 Full-Height Drive 1 LTO-4 3Gb SAS Full-Height Drive 1 LTO-4 FC4 Full-Height Drive 1 or 2 LTO-3-060 3Gb SAS Half-Height Drive(s) 1 or 2 LTO-4-120 3Gb SAS Half-Height Drive(s) 1 or 2 LTO-5-140 6Gb SAS Drive(s) 1 or 2 LTO-5-140 FC8 Drive(s) Library Managed Encryption available with LTO-4 drives and LTO-5
Temperature	50° to 95°F, 10° to 35°C
Relative Humidity	15% RH to 80% RH (non-condensing)
Electrical Power	1.3 amps at 100V ac, 0.7 amps at 240V ac
Supported Backup Software	Computer Associate Arcserve, Symantec™ Backup Exec™, CommVault Galaxy®

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