

Reliability and performance: A winning combination

The Dell PowerVault 136T tape library reliably supplies automation to a variety of backup configurations—and maximizes performance and storage density using Ultrium 2 LTO (LTO-2) drives

To satisfy expanding enterprise storage demands in the face of exponential data growth, organizations require increasingly powerful backup tools. The automation of backup and restore processes enables organizations to reduce the backup window by transmitting data at high-performance speeds.

The Dell™ PowerVault™ 136T tape library supplies automation, industry-leading performance, and enterprise-class storage capacity. Available as either a rack-mountable or stand-alone model, this flexible tape library suits a wide range of IT environments. The 136T can be deployed as a direct attach local area network (LAN) backup device. An optional 2 Gbps Fibre Channel router embedded in the 14U enclosure enables support for high-performance storage area network (SAN) backups.

136T delivers reliability and manageability

Performance is valuable only when coupled with reliability and manageability. The 136T supports a mean time between failures of more than 250,000 power-on hours, and an optional redundant power supply is also available to ensure dependability.

The tape library's reliability is enhanced by ease of serviceability and management. An embedded remote management card enables administrators to proactively monitor the status of backup procedures and perform diagnostics from any location using a Web browser.

LTO-2 enhances capacity and performance

The 136T is optimized for use with Linear Tape-Open™ (LTO®) technology. Ultrium® 2 LTO (LTO-2) drives have a compressed data transfer rate of 70 MB/sec.* An aggregated sustained compressed data rate of up to 247 GB/hour gives a fully expanded 136T using LTO-2 drives the capability to back up almost 1.5 TB per hour—the fastest configuration possible for the 136T.* High data throughput rates are a key factor for enabling organizations to back up ever-increasing amounts of data in limited time frames.

A fully expanded tape library holds six LTO-2 tape drives and 72 LTO-2 cartridges, providing the highest data storage capacity available from Dell in the 136T product when used with Ultrium 2 media. Each Ultrium 2 cartridge stores up to 400 GB of compressed data, resulting in a maximum compressed storage capacity of up to 28.8 TB.*

The capacity to scale easily from one to six tape drives as backup needs grow provides exceptional investment protection. High-capacity Ultrium 2 cartridges may also help Dell customers meet their backup requirements more cost-effectively through the use of fewer cartridges.

LTO road map keeps pace with data-growth demands

LTO uses an open format that fosters competitive pricing and has achieved remarkably wide industry acceptance. Backward read and write compatibility



Dell PowerVault 136T with LTO-2 tape drives

with previous-generation LTO media allows enterprises to conveniently upgrade drives without having to replace media at the same time. A well-established four-generation LTO road map is designed to increase LTO speed and capacity with each successive generation to keep pace with ever-increasing quantities of data.

For more information:

In U.S.: www.dell.com
In Europe: www.euro.dell.com
In Asia: www.dell.com/ap

*Assumes 2:1 compression. Data compression rates may vary depending on setting, user environment, and applications. For more information, visit www.dell.com/storage.