Dell PowerVault ML6000 Tape Library

The PowerVault ML6000 is Dell's first truly modular tape library, ready to intelligently protect your enterprise.

Long-term investment protection

The Dell™ PowerVault™ ML6000's modular architecture provides versatility to help protect long-term investments. The control module can be placed anywhere in the expansion stack, making it easy to grow and customize your library.

The ML6000 series is compatible with software from Symantec®, Computer Associate®, and CommVault®. It is also certified and tested with Dell PowerEdge™ servers and the Dell/EMC disk portfolio so you don't have to invest additional resources to achieve compatibility.

With service offerings including backup implementation and backup design and assessment, you can ensure your backups are appropriately planned. With the use of LTO-4 and LTO-5 drives and WORM capable and encryption-enabled media, you can keep your data secure from accidental changes, loss, or theft.

Predictive self-diagnostics for optimum availability

The PowerVault ML6000 series features built-in, intelligent diagnostics that help isolate failures and provide exceptional availability. It proactively sends e-mail notifi cations and proposes resolution paths through an integrated data path verifi cation tool, minimizing unplanned downtime. And the Fibre Channel configuration now offers path fail-over to the network for even higher availability.

Easy-to-use wizards provide you with painless maintenance tools. The straightforward administration wizard is driven through Microsoft® Windows® using library action requests. Similarly, the troubleshooting wizards offer resolution options for known issues ranging from cleaning and restoring drives to opening a service ticket.

Scalabilty capacity and performance

The PowerVault ML6000 series uses capacity-on-demand scalability to increase usable capacity easily and non-disruptively. Users simply select an initial confi guration that provides additional tape slots, preinstalled and ready to be activated by a simple software key. When all slots are activated, users can add expansion modules for more capacity.

The ML6000 series is designed to automate the retrieval, storage, and management of tape cartridges with exceptional modular scalability. It has a minimum native transfer rate of 80MB/s and grows to a maximum of 140MB/s. You can also scale from 61.5TB of native backup storage capacity to 613.5TB using LTO-5 SAS or fibre channel drives.

There is a range of flexible confi gurations, scaling from one drive to a maximum of 18, and from 41 to 409 cartridge slots. You can even add or remove tape cartridges from the library while it is online, further enabling you to expand your library as your data grows.

Dell Global Services

Dell brings pure execution to IT services. The planning, implementation, and maintenance of your IT infrastructure deserves nothing less. Variability in execution can compromise user productivity, IT resources, and ultimately, your reputation. By utilizing our heritage of process-driven excellence, Dell Services can deliver a smarter way.

Deployment Services: Custom Delivery, Remote or On-Site[1] Installation, Custom Factory Integration

Enterprise Support Services: Platinum Enterprise Support, Gold Enterprise Support, Silver Enterprise Support, Basic Enterprise Support, Dell/EMC Maintenance, High Performance Computing Cluster (HPCC) Support

Assessment, Design, and Implementation Services: IT Architecture Services, Hardware Consolidation, Software Migration

Asset Recovery and Recycling Services: Disposal, Donation, Value Recovery, Lease Return

Training Services: Dell Hardware Training and Certification, Infrastructure Software Training and Certifi cation, PC Skills and Professional Development Training, Learning Management

Look for more detailed IT Infrastructure Services information at www.DELL.COM/Services. Services may vary by region.

Dell PowerVault ML6000 Tape Library

Dell's first truly modular tape library, ready to intelligently protect your enterprise.

Dell PowerVault LTO Tape Drives

	ML6010 Control Module	ML6020 Control Module	ML6030 Control Module	ML6000 Expansion Module	ML6030CM+ ML6000EM	ML 6030CM+ (2) ML6000EM
Features						
Rack Height	5U	14U	23U	9U	32U	41U
Dimensions (HxWxD)	8.6" x 17.4" x 31.4" (21.9cm x 44.2cm x 79.8cm)	24.4" x 17.4" x 31.4" (61.9cm x 44.2cm x 79.8cm)	40.1" x 17.4" x 31.4" (101.9cm x 44.2cm x 79.8cm)	15.8" x 17.4" x 31.4" (40cm x 44.2cm x 79.8 cm)	55.9" x 17.4" x 31.4" (141.9cm x 44.2cm x 79.8cm)	71.7" x 17.4" x 31.4" (181.9cm x 44.2cm x 79.8cm)
I/E Station Slots	6	6, 12, or 18	6, 12, 18, 24, or 30	Add 6 or 12	6, 12, 18, 24, 30, 36, or 42	6, 12, 18, 24, 30, 36, 42, 48, or 54
Maximum Storage Slots	41 (with I/E Station)	133 (with I/E Station)	225 (with I/E Station)	Add 46 or 92	317	409
Drive Types	LTO-3 SCSI, LTO-3 FC, LTO-4 SAS, LTO-4 FC, LTO-5 FC, LTO-5 SAS					
Drives	1, 2	1-6	1-10	1-4	1-14	1-18
Interconnect Type	SCSI, Native Fibre Channel, or SAS					
Weight	66lbs (30Kgs)	125lbs (5.8Kgs)	184lbs (83.6Kgs)	59lbs (26.8Kgs)	243lbs (110.4Kgs)	302lbs (137.2Kgs)
Reliability						
Mean Cycles Between Failure (MCBF)	>2,000,000					
Mean Time to Repair (MTTR)	30 minutes					
Environmental						
Electrical	100-240 VAC, 50-60Hz					
Temperature	10º to 40ºC operating					
Humidity	20-80% non-condensing operating					
Frequency	50-60Hz					
Operating Altitude	30,000ft (9,144m)					
Power						
Requirements	350W with optional redundant power supply and line cord					
Drives & Performance						
Support Media	LTO-1 (read-only in LTO-3 drives), LTO-2 (read/write in LTO-3 drives, read-only in LTO-4 drive), LTO-3 (read/write in LTO-4 drives, read-only in LTO-5 drive), LTO-3 WORM (read-only in LTO-4 and LTO-5 drive), LTO-4 (read/write in LTO-5 drives), LTO-4 WORM (read-only in LTO-5), LTO-5, LTO5 WORM					
Library Management	Operator panel touch screen: Web client, SNMP protocol, SMI-S protocol					
Library Managed Encryption	Optional					
Library Robot Control	LUN					
Maximum Library Capacity	61.5TB	199.5TB	337.5TB	406.5TB	475.5TB	613.5TB
Native Cartridge Capacity (LTO-5)	1.5TB					
Native Drive Throughput (min.) (LTO-5)	140MB/s					
Data Buffer (LTO-5)	256MB					

[1] Service may be provided by third party. Technician will be dispatched if necessary following phone-based troubleshooting. 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.

Simplify your productivity at Dell.com/PowerVault