



Dell PowerVault tape automation

	PowerVault TL1000 tape autoloader	PowerVault TL2000	PowerVault TL4000
	Up to 54TB (native)	Up to 144TB (native)	Up to 288TB (native)
	Entry-level tape automation for large servers or small workgroups	Network backup or entry-level SAN backup	
Features			
Drive type	LTO-4, LTO-5, LTO-6, LTO-7	LTO-4, LTO-5, LTO-6, LTO-7	LTO-4, LTO-5, LTO-6, LTO-7
Number of drives	1	Up to 2	Up to 4
Number of cartridges	9	24	48
Import/export slots	1	1	3
Form factor	1U	2U	4U
Chassis	Desktop or rackmount	Rackmount (desktop conversion kit included)	
Media	LTO-4: LTO-2 (read only), LTO-3, LTO-3 WORM, LTO-4, LTO-4 WORM LTO-5: LTO-3 and LTO-3 WORM (read only), LTO-4, LTO-4 WORM, LTO-5, LTO-5 WORM LTO-6: LTO-4 and LTO-4 WORM (read only), LTO-5, LTO-5 WORM, LTO-6, LTO-6 WORM LTO-7: LTO-5 and LTO-5 WORM (read only), LTO-6, LTO-6 WORM, LTO-7, LTO-7 WORM		
Max native capacity ¹	Up to 54TB	Up to 144TB	Up to 288TB
Max native backup rate per drive ²	LTO-4: 120MB/s, 432GB/hr LTO-5: 140MB/s, 504GB/hr LTO-6: 160MB/s, 576GB/hr LTO-7: 300MB/s, 1080GB/hr		
Interface	6Gb SAS	6Gb SAS, 8Gb/s FC, 1Gb iSCSI (LTO4, LTO5, and LTO6 only)	
Software supported	Dell™ NetVault Backup For other tape backup software, refer to the vendor site for support.		
Library-managed encryption	Available on PowerVault™ ML6000, PowerVault TL4000, PowerVault TL2000 configured with LTO-4 and later generations, and PowerVault TL1000 configured with LTO-6 and later generations (available at point of sale only for the TL1000)		
Included services	Limited Warranty ³ , 30-Day Getting Started Phone Support ⁴ , E-support, and Next Business Day On-Site Service ⁵		

PowerVault ML6000 tape libraries						
Scalability to a maximum of 2.454PB (native) ¹						
Scalable SAN backup base models will scale to full 41U with addition of ML6000 EM (9U expansion modules)						
Features	ML6010	ML6020	ML6030	ML6000EM	32U (ML6030 + 1 ML6000 EM)	41U (ML6030 + 2 ML6000 EM)
Drive type	LTO-5, LTO-6, LTO-7					
Number of drives	Up to 2	Up to 6	Up to 10	Up to 4	Up to 14	Up to 18
Number of cartridges	41	133	225	46 or 92	317	409
Import/export slots	6	6, 12 or 18	6, 12, 18, 24 or 30	6	6, 12, 18, 24, 30, 36 or 42	6, 12, 18, 24, 30, 36, 42, 48 or 52
Form factor	5U	14U	23U	9U	32U	41U
Chassis	Rackmount					
Media	LTO-5: LTO-3 and LTO-3 WORM (read only), LTO-4, LTO-4 WORM, LTO-5, LTO-5 WORM LTO-6: LTO-4 and LTO-4 WORM (read only), LTO-5, LTO-5 WORM, LTO-6, LTO-6 WORM LTO-7: LTO-5 and LTO-5 WORM (read only), LTO-6, LTO-6 WORM, LTO-7, LTO-7 WORM					
Max native capacity ¹	246TB	798TB	1.35PB	552TB	1.092PB	2.454PB
Max native backup rate ²	Up to 600MB/s, 2.15TB/hr	Up to 1800MB/s, 6.46TB/hr	Up to 3000MB/s, 10.8TB/hr	Up to 1200MB/s, 4.31TB/hr	Up to 4200MB/s, 15.11TB/hr	Up to 5400MB/s, 19.44TB/hr
Interface	6Gb SAS (LTO-5, LTO-6 only), 8Gb/s FC					
Software supported	Dell NetVault Backup For other tape backup software, refer to the vendor site for support.					
Library-managed encryption	Available on PowerVault ML6000, PowerVault TL4000 and PowerVault TL2000 using LTO-4 and later generations, and PowerVault TL1000 configured with LTO-6 and later generations (available at point of sale only for the TL1000)					
Included services	Limited Warranty ³ , 30-Day Getting Started Phone Support ⁴ , and Next Business Day On-Site Service ⁵					

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

² Actual performance is dependent on settings, user environment and applications.

³ For a complete copy of our guarantees or limited warranties, please visit <http://www.dell.com/warranty> or write to Dell USA L.P., One Dell Way, Round Rock, Texas 78682, Attn: Warranties.

⁴ Telephone support provides help with installation, optimization and configuration questions during the critical 30-day period after shipment of your systems.

⁵ 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.

End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.

Simplify Data Archive at Dell.com/Storage

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