Dell EMC PowerVault Tape Library and PowerVault Tape Automation

	Dell EMC ML3 Tape Library Dell EMC ML3E Tape Expansion	PowerVault TL1000 Tape Autoloader
	Scalability of up to 720TB (native) each per ML3 and ML3E	Up to 162TB (native)
	Scalable SAN backup base model plus expansion will scale up to 21U with addition of six ML3E (3U expansion modules)	Entry-level tape automation for large servers or small workgroups
Features		
Drive type	LTO-7, LTO-8 (half-eight SAS and FC, full- height FC) LTO-9 (half-height SAS and FC, full-height SAS and FC)	LTO-7, LTO-8, LTO-9 (all half-height)
Number of drives	Up to 3 per 3U (half-height)	1 (half-height)
Number of cartridges	40 (ML3); 40 (ML3E) Maximum of 280 with six expansion modules	9
Import/export slots	5	1
Form factor	3U	1U
Chassis	Tabletop or rackmount	
Media	LTO-6, LTO-6 WORM LTO-7 Type M, LTO-7, LTO-7 WORM LTO-8, LTO-8 WORM LTO-9, LTO-9 WORM LTO Ultrium Cleaning Cartridge	LTO-6, LTO-6 WORM LTO-7 Type M, LTO-7, LTO-7 WORM LTO-8, LTO-8 WORM LTO-9, LTO-9 WORM LTO Ultrium Cleaning Cartridge
Max native capacity[1]	ML3: Up to 720TB ML3E: Up to 720TB Maximum of 5040TB (base and six expansion)	Up to 162TB
Max native backup rate per drive[2]	LTO-7: 300MB/s, 1080GB/hr LTO-8: 300MB/s, 1080GB/hr (half-height) LTO-8: 360MB/s, 1296GB/hr (full-height) LTO-9: 300MB/s, 1080GB/hr (half-height) LTO-9: 400MB/s, 1440GB/hr (full-height)	LTO-7: 300MB/s, 1080GB/hr LTO-8: 300MB/s, 1080GB/hr LTO-9: 300MB/s, 1080GB/hr
Interface	6Gb SAS (LTO-7, LTO-8), 12Gb SAS (LTO-9), 8Gb FC	6Gb SAS (LTO-7, LTO-8), 12Gb SAS (LTO-9)
Software supported	For tape backup software, refer to the vendor site for support.	
Library-managed encryption	Activation license included standard Support for host Application Managed Encryption (AME) and Library Managed Encryption (LME)	Available on 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]	

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[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.

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