



Dell PowerVault Tape & Removable Disk Drives

Tape & Removable disk drives for backing up your critical data

	Entry	Midrange	Performance			
	<ul style="list-style-type: none"> Essential capacity Low cost Basic data protection 	<ul style="list-style-type: none"> Great value Moderate performance Media compatibility 	<ul style="list-style-type: none"> High capacity Excellent performance Interchange tapes with tape library 			
Product Name	PowerVault RD1000	PowerVault LTO-3-060 HH	PowerVault LTO-3 FH	PowerVault LTO-4-120 HH	PowerVault LTO-4-120 FH	PowerVault LTO5-140
Short Description	Rugged, removable disk media offering increased portability and durability over standard external USB-based hard drives. Faster and less expensive than comparable tape storage alternatives.	The smaller version of the LTO-3 full height drive with the same up to 400 GB (native) capacity, but a slightly lower performance at up to 216 GB/hr (native) ¹	High performance and capacity backup solution stores up to 400 GB (native) of information at up to 288 GB/hr (native) ¹	The smaller version of the LTO-4-120 full height drive with the same, up to 800 GB (native), capacity and performance, up to 432 GB/hr (native) ¹	High performance, excellent capacity and data center – level security. Storing twice as much data as LTO-3 and reduces your backup window by up to 1/3.	High Performance (140MB/s), more capacity than previous LTO generations 1.5TB (native), drive level encryption multiple partitions feature.
Features						
Drive Technology	RD1000	LTO-3-060	LTO-3	LTO-4-120 HH	LTO-4-120	LTO5-140
Internal/ External	Both	Both	Both	Both	Both	Both
Media	Removable Disk Drive	LTO-3 LTO-3 WORM LTO-2 LTO-1 (Read Only)	LTO-3 LTO-3 WORM LTO-2 LTO-1 (Read Only)	LTO-4 LTO-4 WORM LTO-3 LTO-3 WORM LTO-2 (Read Only)	LTO-4 LTO-4 WORM LTO-3 LTO-3 WORM LTO-2 (Read Only)	LTO-5 LTO-5 WORM LTO-4 LTO-4 WORM LTO-3 (Read Only) LTO-3 WORM
Native Capacity ¹	160GB, 320GB, 500GB and 640GB	up to 400 GB	up to 400 GB	up to 800 GB	up to 800 GB	Up to 1.5TB
Backup Rate ²	30 MB/s Internal 25 MB/s External	60 MB/s 216 GB/hr	80 MB/s 288 GB/hr	120 MB/s 432 GB/hr	120 MB/s 432 GB/hr	140MB/s 504GB/hr
Security	None	Write-Once-Read-Many (WORM)	Write-Once-Read-Many (WORM)	Write-Once-Read-Many (WORM) Device Level Encryption	Write-Once-Read-Many (WORM) Device Level Encryption	Write-Once-Read-Many (WORM) Device Level Encryption
Interface	SATA or USB	Ultra 160 SCSI LVD SAS	Ultra 160 SCSI LVD	Serial Attached SCSI (SAS) at 3 Gbit/sec	Serial Attached SCSI (SAS) at 3 Gbit/sec	Serial Attached SCSI (SAS) at 6Gbit/sect
Software Supported	Dell Tape Backup Software: Symantec Backup Exec, [™] CommVault Galaxy [™] See Dell PowerVault Compatibility Matrix for version numbers of backup software supported and others software options					
Supported Operating Systems	Microsoft [®] Windows Server [®] 2003, Microsoft [®] Windows Server [®] 2008, Red Hat [®] Enterprise Linux, SUSE Linux Enterprise Server See Dell PowerVault Compatibility Matrix for version numbers of OS's supported and others OS options					

Tape Rack Enclosure				
	<ul style="list-style-type: none"> • Rack-optimized backup solution holds up to two drives • Ideal for backup and recovery of rack-dense servers • Great for workgroup and departmental environments 			
Product Name	PowerVault 114T LTO-3-060	PowerVault 114T LTO-3	PowerVault 114X LTO-4-120	PowerVault 114X LTO5-140
Short Description	Ideal for customers who require multi-drive, rack-optimized data protection that can be externally connected to a server. Consider capacity, backup rate and interface when purchasing rackable units			
Features				
Drive Technology	LTO-3-060	LTO-3	LTO-4	LTO-5
Internal/ External	External rack	External rack	External rack	External rack
Form Factor	2U	2U	2U	2U
Media	LTO-3 LTO-3 WORM LTO-2 LTO-1 (Read Only)	LTO-3 LTO-3 WORM LTO-2 LTO-1 (Read Only)	LTO-4 LTO-3 LTO-3 WORM LTO-2 (Read Only)	LTO-5 LTO-5 WORM LTO-4 LTO-4 WORM LTO-3 (Read Only) LTO-3 WORM
Native Capacity ¹	with 2 drives up to 800 GB	with 2 drives up to 800 GB	with 2 drives up to 1.6 TB	With 2 drives Up to 3.0TB
Backup Rate ²	with 2 drives up to 120 MB/s 432 GB/hr	with 2 drives up to 160 MB/s 576 GB/hr	with 2 drives up to 240 MB/s 864 GB/hr	With 2 drives Up to 280MB/s, 1008GB/hr
Security	Write-Once-Read-Many (WORM)	Write-Once-Read-Many (WORM)	Write-Once-Read-Many (WORM) Device Level Encryption	Write-Once-Read-Many (WORM) Device Level Encryption
Interface	Ultra 160 SCSI LVD/SAS	Ultra 160 SCSI LVD	Serial Attached SCSI (SAS) at 3Gbit/sec	Serial Attached SCSI (SAS) at 6Gbit/sec
Software Supported	Dell Tape Backup Software: Symantec Backup Exec, [™] CommVault Galaxy [™] See Dell PowerVault Compatibility Matrix for version numbers of backup software supported and others software options			
Supported Operating Systems	Microsoft [®] Windows Server [®] 2003, Microsoft [®] Windows Server [®] 2008, Red Hat [®] Enterprise Linux, SUSE Linux Enterprise Server See Dell PowerVault Compatibility Matrix for version numbers of OS's supported and others OS options			

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

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

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