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DELL POWERVAULT TAPE AND REMOVABLE DISK DRIVES

Dell™ PowerVault™ tape and removable disk drives for backing up your critical data

	Entry	Midrange	Performance		
Highlights	• Essential capacity • Low cost • Basic data protection	• Great value • Moderate performance • Media compatibility	• High capacity • Excellent performance • Interchange tapes with tape library		
Product name	PowerVault RD1000	PowerVault LTO-5	PowerVault LTO-6	PowerVault LTO-7	PowerVault LTO-8
Description	Rugged, removable disk media offering increased portability and durability over standard external USB-based hard drives	High performance (140MB/s), with up to 1.5 TB (native), drive-level encryption, LTFS	High performance (160MB/s), with up to 2.5TB (native), drive-level encryption, LTFS	High performance (300MB/s), with up to 6TB (native), drive-level encryption, LTFS	High performance (300MB/s), highest LTO capacity, 12TB (native), drive-level encryption, LTFS

Features

Drive technology	RD1000	LTO-5	LTO-6	LTO-7	LTO-8
Internal/external	Both	Both	Both	Both	Both
Media	Removable disk drive	LTO-5 LTO-5 WORM LTO-4 LTO-4 WORM LTO-3 (read only) LTO-3 WORM (read only)	LTO-6 LTO-6 WORM LTO-5 LTO-5 WORM LTO-4 (read only) LTO-4 WORM (read only)	LTO-7 LTO-7 WORM LTO-6 LTO-6 WORM LTO-5 (read only) LTO-5 WORM (read only)	LTO-8 LTO-8 WORM LTO-7 Type M LTO-7 LTO-7 WORM
Native capacity[1]	500GB, 1TB, 2TB	Up to 1.5TB	Up to 2.5TB	Up to 6TB	Up to 12TB
Backup rate[2]	30MB/s internal 85MB/s external[3]	140MB/s 504GB/hr	160MB/s 576GB/hr	300MB/s 1080GB/hr	300MB/s 1080GB/hr
Security	None	WORM Device-level encryption	WORM Device-level encryption	WORM Device-level encryption	WORM Device-level encryptions
Interface	SATA or USB 3.0	SAS at 6Gbit/sec	SAS at 6Gbit/sec	SAS at 6Gbit/sec	SAS at 6Gbit/sec
Software Supported	For tape backup software, refer to the vendor site for support listings. See Dell PowerVault Compatibility Matrix for detailed compatibility information.				
Supported operating system	Microsoft Windows Server 2016, Microsoft® Windows Server® 2012 R2, Red Hat® Enterprise Linux®, Novell® SUSE Linux Enterprise Server See Dell PowerVault Compatibility Matrix for detailed compatibility information.				

Tape Rack Enclosure

Highlights	· Rack-optimized backup solution holds up to two LTO drives · Ideal for backup and recovery of rack-dense servers · Great for workgroup and departmental environments			
Product name	PowerVault 114X LTO-5	PowerVault 114X LTO-6	PowerVault 114X LTO-7	PowerVault 114X LTO-8
Description	Ideal for customers who require multi-drive, rack-optimized data backup that can be externally connected to a server. Consider capacity, backup rate and interface when purchasing rackable units.			

Features

Drive technology	LTO-5	LTO-6	LTO-7	LTO-8
Internal/external	External rack	External rack	External rack	External rack
Form factor	2U	2U	2U	2U
Media	LTO-5 LTO-5 WORM LTO-4 LTO-4 WORM LTO-3 (read only) LTO-3 WORM (read only)	LTO-6 LTO-6 WORM LTO-5 LTO-5 WORM LTO-4 (read only) LTO-4 WORM (read only)	LTO-7 LTO-7 WORM LTO-6 LTO-6 WORM LTO-5 (read only) LTO-5 WORM (read only)	LTO-8 LTO-8 WORM LTO-7 Type M LTO-7 LTO-7 WORM
Native capacity[1]	Up to 1.5TB per cartridge	Up to 2.5TB per cartridge	Up to 6TB	Up to 12TB
Backup rate[2]	Up to 140MB/sec, 504GB/hr	Up to 160MB/sec, 576GB/hr	Up to 300MB/s, 1080GB/hr	Up to 300MB/s, 1080GB/hr
Security	WORM Device-level encryption	WORM Device-level encryption	WORM Device-level encryption	WORM Device-level encryption
Interface	SAS at 6Gbit/sec	SAS at 6Gbit/sec	SAS at 6Gbit/sec	SAS at 6Gbit/sec
Software Supported	For tape backup software, refer to the vendor site for support listings. See Dell PowerVault Compatibility Matrix for detailed compatibility information.			
Supported operating system	Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2, Red Hat Enterprise Linux, Novell SUSE Linux Enterprise Server See Dell PowerVault Compatibility Matrix for detailed compatibility information.			

End-to-end technology solutions

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[1]GB means 1 billion bytes and TB equals 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]RD1000 USB 3.0 typical transfer rate of 80MB/s requires a USB 3.0 Host and USB 3.0 cable. If a USB 2.0 Host is used, performance may be limited to up to 30MB/s.

Simplify data backup and archiving at Dell.com/Storage

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