



Dell EMC PowerVault Tape and Removable Disk Drives

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

| | Entry | Midrange | Performance | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Highlights | <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-7 | PowerVault LTO-8 | PowerVault LTO-9 |
| Description | Rugged, removable disk media offering increased portability and durability over standard external USB-based hard drives | High performance (300MB/s), with up to 6TB (native), drive-level encryption, LTFS | High performance (300MB/s), high LTO capacity, 12TB (native), drive-level encryption, LTFS | High performance (300MB/s), highest LTO capacity, 18TB (native), drive-level encryption, LTFS |
| Features | | | | |
| Drive technology | RD1000 | LTO-7 | LTO-8 | LTO-9 |
| Internal/external | External only | Both | Both | Both |
| Media | Removable disk drive | 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 | LTO-8 LTO-8 WORM LTO-9 LTO-9 WORM |
| Native capacity¹ | 1TB, 2TB | Up to 6TB | Up to 12TB | Up to 18TB |
| Backup rate² | 30MB/s internal 85MB/s external ³ | 300MB/s 1080GB/hr | 300MB/s 1080GB/hr | 300MB/s 1080GB/hr |
| Security | None | WORM Device-level encryption | WORM Device-level encryptions | WORM Device-level encryption |
| Interface | USB 3.0 | SAS at 6Gbit/sec | SAS at 6Gbit/sec | SAS at 12Gbit/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, Microsoft® Windows Server® R2, Red Hat® Enterprise Linux®, Novell® SUSE Linux Enterprise Server | | | |

Tape Rack Enclosure

| | | | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------|
| Highlights | <ul style="list-style-type: none"> • 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-7 | PowerVault 114X LTO-8 | PowerVault 114X LTO-9 |
| 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-7 | LTO-8 | LTO-9 |
| Internal/external | External rack | External rack | External rack |
| Media | 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 | LTO-9 LTO-9 WORM LTO-8 LTO-8 WORM |
| Native capacity¹ | Up to 6TB | Up to 12TB | Up to 18TB |
| Backup rate² | Up to 300MB/s, 1080GB/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 |
| Interface | SAS at 6Gbit/sec | SAS at 6Gbit/sec | SAS at 12Gbit/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 | Update per Matrix: See Dell PowerVault Compatibility Matrix for detailed compatibility information. | | |

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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.

³RD1000 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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