

DELL™ POWERSVAULT™ RD1000



Removable disk drive combines the speed of a hard disk with the portability of optical media for quick, easy, affordable backups.

REMOVABLE DISK DRIVE FOR BACKUP

Dell PowerVault RD1000 removable disk drive lets you quickly protect all your important information and take it with you. Designed as a sensible, affordable alternative to tape and CD/DVD backup, the PowerVault RD1000 is fast, user-friendly, and reliable.

With the included backup software from Yosemite Technologies, it's easy to schedule monthly, weekly, or even daily backups. Password protection helps keep information secure. The PowerVault RD1000 is available in capacities up to 300GB, and the media cartridge weighs about as much as a cell phone.

RUGGED. REMOVABLE. READY.

At the heart of the PowerVault RD1000 is removable disk media that combines a tough exterior design and an internal shock absorber—all rigorously tested to the highest standards. It's faster and easier than tape or CD/DVD to back up large amounts of information. Simply pop in the removable disk media, select the files or folders you want to protect, then drag-and-drop them into the directory folder. To restore files, just reverse the process. Drag-and-drop capability gives you random access for much quicker restoration of the files you need most. The PowerVault RD1000 comes with everything you need to protect data quickly and easily: dock unit, removable disk cartridge, and software.

SENSIBLE AND AFFORDABLE ALTERNATIVE

When comparing the PowerVault RD1000 to other backup methods, it's easy to see why a removable disk drive offers an affordable alternative to tape-based systems and a sensible substitute for CD or DVD optical media.

Entry-level tape-based systems have capacities that are lower than removable disk media and can be significantly more expensive for every gigabyte of information stored. On the other hand, CD and DVD optical media—while very inexpensive—takes a long time to copy data onto relatively low capacity disks when compared to removable disk media. In either case, when backing up large amounts of information, multiple pieces of tape or optical media may be required—this can be hard to manage and find data later. Removable disk media offers the portability of tape and optical disks, and delivers high capacity and high performance for backing up loads of information onto a single cartridge.

FLEXIBLE CAPACITY AND CONFIGURATION

Select an external USB-connected RD drive dock or an internal SATA-connected RD drive dock that fits into a standard workstation or server bay. The PowerVault RD1000 is available in 80GB, 120GB, 160GB, and 300GB disk cartridge capacities. Removable disk media of all capacities are interchangeable, designed for transportability, and fit in both internal and external configurations so you can easily share information between systems. Designed to be forward-compatible with future planned expanded-capacity removable disk media, the PowerVault RD1000 removable disk drive lets you protect your investment as your storage needs grow.



SUPPORT SERVICES

Dell's Enterprise Support Services provide customers with robust, flexible support for their server and storage systems. These state-of-the-art services help ensure your IT systems consistently achieve their performance potential. Our specialist support teams work with customers to eliminate problems before they happen, prepare in advance for any elevated IT demands, and provide our fastest and most complete approach to problem resolution. Our innovative service technologies and processes can enable a new level of performance management and continuous improvement. When your business requires nothing less than the very best support, Dell's Enterprise Support Services are the answer.

Platinum Plus Enterprise Support

Dell's most comprehensive level of support, which combines rapid response and resolution for critical issues with customized account planning and reporting to proactively help improve uptime. This level of support is appropriate for servers that are being used in data centers and mission-critical environments.

Gold Enterprise Support

Provides 24x7 rapid response and resolution of critical issues including escalation management and on-site¹ Emergency Dispatch procedures to quickly restore operations. This level of support is appropriate for servers that are being used for e-mail systems, database applications and virtualization.

Silver Enterprise Support

Silver support provides convenient 24x7 phone access for hardware and core software troubleshooting with 4-hour 24x7 on-site services¹ following completion of phone-based troubleshooting. This level of support is appropriate for file and print servers and other non-production testing and development.

Keep Your Hard Drive

The Keep Your Hard Drive service provides the option of retaining qualified hard drives, while receiving a replacement hard drive.² As a result, you can maintain control over your sensitive and confidential data contained on your hard drives and determine the best method of disposal for failed hard drives.

Power Ratings	Internal RD1000	External RD1000
Voltage Tolerance	+5VDC ± 5%	+12VDC ± 10%
Power Consumption (Typical / Peak)	7.5 W / 13 W	6.6 W / 13 W
AC Adapter	N/A	Universal Adapter 100-240 VAC, 50-60Hz input

Supported Operating Systems

SuSE Linux Enterprise Server 9.0 (Service Pack 3) x64; External RD1000 only
 SuSE Linux Enterprise Server 10.0 x64
 Red Hat Enterprise Linux v3 and v4 (for both 32-bit & EM64T)
 Windows Storage Server 2003 (x64)
 Windows Server 03 Standard Edition (32-bit & EM64T) Enterprise Edition (32-bit & EM64T) Web Edition (32 bit)
 Windows Small Business Server (SBS) 2003 – Standard (32-bit) & Premium Editions (32-bit)
 Windows 2000 Server, Windows 2000 Advanced Server, Windows Small Business Server (2000) Server Appliance Kit 2.0
 Windows Vista, XP

Hardware Platforms*

Int./ext. models: PowerEdge™ 830, 840, 1900, 2900, 2950, SC430, SC440 and SC1430 servers
 Dell Precision™ 390, 490 and 690 Workstations
Ext. models: PowerEdge™ 800, 850, 860, 1800, 1850, 1950, 1955, 2800, 2850, 2970, 6800, 6850, 6950 and SC1420 servers
 Dell Precision™ 380, 390, 470, 670, M20 Mobile, M65 Mobile, M70 Mobile and M90 Mobile Workstations

Backup Software

Dell Backup software for the RD1000 by Yosemite Technologies (included) supports Windows 2000 & 2003, Red Hat Enterprise Linux v3 & v4, SUSE Linux Enterprise Server 10. Upgrades available for expanded capabilities with Yosemite Backup and Symantec Backup Exec (SBS Suite, 10d and 11d (Windows 2000 and 2003), Backup Exec Server and Workgroup Protection Suite, Quic)

ISV Certified	Timing	Link
Yosemite	RTS	www.yosemitetech.com
Symantec Ghost	RTS	www.symantec.com
EMC Dantz Retrospect	RTS	www.emc.com

	TECHNICAL SPECIFICATIONS
Height	Internal Dock: 41.4 mm (1.63 in) External Dock: 51.8 mm (2.04 in) RD Cartridge: 23.68 mm (0.93 in)
Width	Internal Dock (3.5 in): 101.6 mm (4.00 in) Internal Dock (5.25 in): 146 mm (5.75 in) External Dock: 109.8 mm (4.32 in) RD Cartridge: 86.6 mm (3.4 in)
Length (Depth)	Internal Dock (3.5 in): 159.4 mm (6.28 in) Internal Dock (5.25 in): 171.9 mm (6.77 in) External Dock: 177.5 mm (7.00 in) RD Cartridge: 119.18 mm (4.69 in)
Weight	Internal Dock (3.5 in): 408g (0.90 lbs) Internal Dock (5.25 in): 635g (1.40 lbs) External Dock: 540g (1.19 lbs) RD Cartridge: 173g (0.38 lbs)
Orientation	Dock can be oriented either horizontally or vertically
Configurations	Internal SATA connect in 3.5" or 5.25" bay External USB 2.0 connect
Supported Cartridge Capacities	80GB compressed capacity ³ (160GB) 120GB compressed capacity ³ (240GB) 160GB compressed capacity ³ (320GB) 300GB compressed capacity ³ (600GB)
Code Updates	Supported through SATA and USB
Interface	SATA (internal dock) 30MB/s USB 2.0 (external dock) 25MB/s
User Interface	Hardware status – dual color push button on front of RD dock Cartridge status – dual color LED on front of RD media System management – Windows interface
Temperature	OPERATING: 10°C to 40°C NON-OPERATING: (-40°C to 65°C)
Thermal Gradient	OPERATING: 10°C / hour NON-OPERATING: (20°C / hour)
Relative Humidity	OPERATING: 20% to 80% NON-OPERATING: (10% to 90%), non-condensing
Max Wet Bulb Temperature	OPERATING: 29°C NON-OPERATING: (38°C), non-condensing
Altitude	OPERATING: -50ft to 10,000ft NON-OPERATING: (-50ft to 35,000ft)
Vibration	OPERATING: sine vib 0.25G peak, 3-200 Hz NON-OPERATING: (random vib 1.54G RMS)
Shock	OPERATING: half sine 31G @ 2.6ms NON-OPERATING: (half sine 71G @ 2ms)

¹May be provided by third party. Technician dispatched if necessary following phone-based troubleshooting. Availability varies. See dell.com/servicecontracts for details. ²The defective hard drive must still be covered by the hardware limited warranty. For a complete copy of Guarantees and Limited Warranties, please write Dell USA, L.P., Attn: Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit <http://www.dell.com/warranty>. ³Using the software compression feature built into standard backup applications.

*Some models support external RD1000 drive only. Please check the Dell website for up-to-date support information at <http://support.dell.com/support/edocs/stor-sys/matrix/> For ordering additional media, go to www.dell.com/RDmedia

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SIMPLIFY DATA BACKUP AT DELL.COM/RD1000

