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Product Datasheet

Overland Storage REO Series r2000

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REO SERIES™ R2000

NETWORK BACKUP ACCELERATOR



The Overland Storage REO SERIES R2000 is a powerful iSCSI appliance that resides on the network between application servers and backup servers to dramatically accelerate backup and recovery performance. Built to solve the most challenging backup problems, this 2U, rack-mounted solution speeds and consolidates data from multiple application servers—at both local and remote locations—for faster backup and immediate data recovery.

As a key component of your business continuity and data protection strategies, the R2000 works reliably with your existing Ethernet infrastructure and exploits Gigabit Ethernet (GbE) and Serial ATA disk technology to reduce backup time, provide immediate recovery and supply remote site data protection.

SOLUTION

Faster Backup: The R2000 dramatically reduces the downtime and lost productivity associated with backups. Simultaneous multi-server backups can run at speeds of up to 300 GB/hour (90–100 MB/second). Compatible with most Microsoft® Windows® backup software, the R2000 lets you maintain your existing data protection infrastructure.

Powerful, Simultaneous Backup of Critical Servers: The R2000 helps you complete backups within your “backup window” through a quality of service mechanism built to optimize multi-server, simultaneous backups.

Appliance-Speed Recovery: Backup data maintained on the R2000 enables recovery to take place at disk-speed, reducing the impact of data loss. Maintaining just two to three days of backups on the R2000 can mean that most restores will happen at appliance-speed, so business can continue with minimal interruption.

Powerful Consolidation of Server Data: Using iSCSI and standard Windows 2000 capabilities, the R2000 simplifies the consolidation of data from branch or satellite offices into a central location using your existing LAN or WAN.

Planning for Contingencies: Maintaining a copy of critical data at a remote location using your existing LAN or WAN provides your company immediate access to data in the event of a catastrophe.

Reliable Backup Completion: The R2000 removes tape from the backup “critical path,” paving the way for improved tape automation benefits.

Simplified, Centralized Tape Processing: The R2000 takes advantage of patent-pending, block-sharing technology to enable high-performance data export from the appliance to tape, further extending the benefits of tape automation.

*Accelerates backup and recovery
for multiple application servers*

Eliminating Tape Transportation: Since the R2000 moves recovery data off-site via the LAN or WAN, it may reduce or eliminate the need for you to transport magnetic tapes between locations.

Leveraging Advanced Technology: The R2000 uses iSCSI technology to deliver high-performance storage networking without the cost or complexity of Fibre Channel.

Browser-Based, Remote Management: The R2000 provides a Web-enabled GUI for system configuration, as well as event and component monitoring. This means that you can manage the R2000 from anywhere using a standard Web browser.

Reliable, Easily Expanded Addition to the Data Center: The R2000 fits comfortably into in-place backup networks and software environments and grows in both storage capacity and data transfer performance through the addition of one or more REO SERIES RX2000 Expansion Modules.

PRODUCT FEATURES

- Backs up data in less time
- Restores business-critical data at disk-speed
- Simplifies remote-site backup
- Increases the likelihood of successful backup completion
- Consolidates tape processing
- Supplies high-performance data transfers using standard Ethernet components
- Expands in both capacity and performance using the RX2000
- Enhances tape system functionality

ABOUT OVERLAND STORAGE

Overland Storage is a leading global supplier of innovative hardware and software storage solutions for mid-range computer networks. The company's reputation for delivering high-availability products—including its award-winning automated storage libraries, data protection appliances and the industry's first fully-open storage management software solutions—sets the standard for intelligent, automated and scalable storage.

Overland
STORAGE™

ALWAYS THERE.

REO SERIES R2000 SPECIFICATIONS

CAPACITY Raw Capacity	8 SATA x 250 GB, 2 TB
PERFORMANCE Backup Performance	Up to 300 GB/hour
HOST INTERFACES Hardware Software GbE Storage Protocol	Two GbE Ports (RJ45), one Management Port (RJ45) REO SoftKey™ iSCSI
POWER REQUIREMENTS Voltage Frequency Current Power Cord Connector (US)	100 to 240 VAC 47 to 63 Hz 5A @ 115 VAC, 2.5A @ 230 VAC IEC 60320 C13 Connector
ENCLOSURE Dimensions Weight	17 x 27 x 3.5 inches (2U rackmount) 56 pounds
ENVIRONMENTAL REQUIREMENTS Operating Humidity Operating Temperature Operating Altitude Operating Shock Operating Vibration Non-operating Humidity Non-operating Temperature Non-operating Altitude Non-operating Shock Non-operating Vibration	20% to 80% non-condensing 50°F to 95°F (10°C to 35°C) -984 to 10,000 feet (-300 to 3,048 m) 20 G (2 ms half sine) 10 G (11 ms half sine) 0.25 Grms (Random) 0.5 G Swept Sine (5-500-5 Hz) No errors 1.0 G Swept Sine (5-500-5 Hz) No data loss 10% to 90% non-condensing -40°F to 150°F (-25°C to 60°C) -984 to 39,370 feet (-300 to 12,000 m) 75G (11 ms half sine pulse) 200G (2 ms half sine pulse)
AGENCY APPROVALS Safety and Emissions	UL/TUV NRTL, CE, CUL (Canada), VCCI (Japan), TUV GS (Germany), BSMI (Taiwan)
OPERATING SYSTEMS SUPPORTED	Windows 2000, Windows Server™ 2003, Windows XP Professional, Windows NT® 4.0
BACKUP SOFTWARE SUPPORTED	VERITAS™ Backup Exec™ and NetBackup™, BakBone™ NetVault™, LEGATO® NetWorker®, Computer Associates® ARCserve, CommVault® Galaxy, SyncSort BackupExpress and the Windows 2000 backup utility, among others
WARRANTY	One-year parts and labor

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