



# REO® 1550 with ProtectionOS™

## Cost-Effective, Disk-Based Backup and Recovery Appliance

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. The REO 1550 delivers reliable unattended backups and near-instantaneous file recovery in an easy to use, versatile appliance. Easily configured as a virtual tape library, standalone virtual tape drives, and/or disk volumes (LUNs), the REO 1550 can be easily deployed and modified to adapt to changing data protection requirements.

### Proven Data Protection

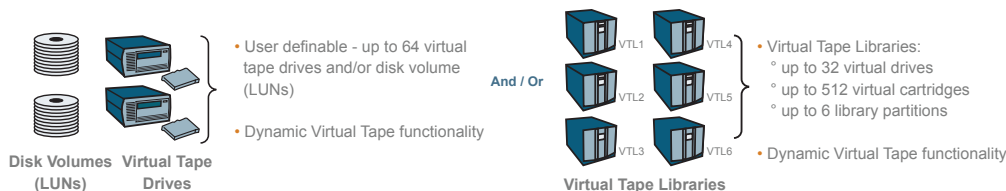
Unlike tape autoloaders, standalone tape drives, and other disk-based backup systems, only the REO SERIES® includes REO Protection OS™ software, which embeds data protection intelligence and enables future software enhancements via software PACs. It also provides a core set of volume and device virtualization, management, and connectivity features found only in REO SERIES appliances. When configured as virtual tape, backup data is written sequentially and in large blocks, which results in greater backup performance. In addition, REO SERIES virtual tape appliances are not susceptible to disk fragmentation, viruses, manual volume management, hackers, ongoing tuning, or file system overhead—which are common problems found in general purpose disk-based backup systems.

### Easy to Set up and Manage

An intuitive and robust browser-based graphical user interface makes REO 1550 easy to configure and manage. Users can proactively monitor REO appliances and receive e-mail alerts for instant notification of status changes.

### Flexible Connectivity

Only the REO SERIES includes patent-pending Dynamic Virtual Tape™ (DVT) technology, which ensures that no storage capacity is wasted while eliminating the manual effort and guesswork of sizing, configuring, provisioning, and deleting virtual tape cartridges. With DVT, users can create virtual tape cartridges that automatically expand or contract to match the exact capacity requirements of the backup operation.



### Highlights

- Enables fast, reliable backup and recovery
- User-defined functionality:
  - Virtual Tape Library
  - Virtual Tape Drives
  - Disk Volumes (LUNs)
- RAID 5 data protection
- REO Protection OS™ software
- Dynamic Virtual Tape
- Compatible with all popular backup software
- Ethernet (iSCSI) connectivity
- Up to 4TB raw capacity






#### REO Multi-SitePAC™

##### Software Option:

Automates the manual process of protecting remote data without requiring changes to existing backup systems or software. Multi-SitePAC seamlessly transfers backup data in virtual tape format from a remote REO to a central REO, where it can be consolidated, managed and archived.



## Specifications

<b>Functionality</b>	User-defined as a tape library with up to 32 virtual tape drives, 512 virtual cartridges, six partitions and/or any combination of up to 64 standalone virtual tape drives and/or disk volumes (LUNs).
<b>Drive Configuration</b>	4 x 1TB hot-swappable SATA II drives
<b>Multi-Stream Performance</b>	Up to 109MB/sec
<b>Standard Software Features</b>	REO Protection OS software with Dynamic Virtual Tape, disk virtualization, browser-based management, SNMP, and e-mail alerts
<b>Standard Hardware Features</b>	19-inch rack-mount enclosure, hot-swap SATA disk drives, RAID controller, GbE data ports, 10/100 management port
<b>Network Interface</b>	2 x 1GbE Ports included Optional Add-on: PCIe Fibre Channel Dual 4Gbps
<b>Expansion Array Interface</b>	Hardware: One, 1Gb Ethernet (iSCSI) port (RJ45), Management: One, Ethernet Management Port (RJ45)
<b>Array Controller</b>	Single RAID controller
<b>RAID Support</b>	RAID 5
<b>Enclosure</b>	Dimensions: 17 in x 27 in x 1.75 in (43.18 cm x 68.58 cm x 4.45 cm), 1U rack-mount, Weight: 35 lbs (16 kg)
<b>Agency Approvals</b>	CE, cULus FCC Class A, CE, VCC1     
<b>Power</b>	Voltage: 100 to 120 VAC, 200 to 240 VAC+/-10%, Frequency: 47 to 63 Hz, Current: 2.5A @ 115 VAC, 12.5A @ 230 VAC, Power Cord Connector (US): IEC 60320 C13 connector, Power Consumption: Steady state 180 W; Peak 200 W
<b>Environmental Limits</b>	
<b>Operating:</b>	Humidity: 20–80% non-condensing, Temperature: 10–40° C, Altitude: -984 to 10,000 ft (-300 to 3,048 m), Shock: 10 G (11 ms half sine), Vibration: .25 G swept sine (5–250–5 Hz) no errors.
<b>Non-Operating:</b>	Humidity: 10–95% non-condensing, Temperature: 40 to 60° C, Altitude: 984 to 30,370 ft (-300 to 12,000 m), Shock: 20 G (11 ms half sine pulse), Vibration: 1.0 G swept sine (5–250–5 Hz).
<b>Interoperability</b>	Contact Overland Storage or visit <a href="http://www.overlandstorage.com">www.overlandstorage.com</a> for the most current iSCSI, Fibre Channel, and backup software compatibility matrices
<b>Standard Warranty</b>	Standard warranty includes 3-year Spares XchangeNow® and 90-day REO Protection OS support via telephone, e-mail, and Web. Extended service options available.



### Corporate:

**Tel:** 1.800.729.8725  
**Tel:** +1.858.571.5555

### Sales:

**Tel:** 1.888.343.7627 (US)  
**Tel:** +1.858.571.5555 (Int'l)