The REO™ 1500 Disk-Based Backup and Recovery Appliance solves the challenges that IT professionals face—exponential data growth, shrinking backup windows, the need for fast data recovery, new government regulations—by providing fast, reliable data backup and recovery while reducing operating costs.

The REO 1500 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 1500 can be easily deployed and modified to adapt to changing data protection requirements.

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—all are common problems found with general purpose disk-based backup systems.

And 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 shrink to match the exact capacity requirements of the backup operation. An intuitive and robust browser-based graphical user interface makes REO 1500 easy to configure and manage. Users can proactively monitor REO appliances and receive e-mail alerts for instant notification of status changes.

**REO 1500 Key Benefits:**

- **Flexible Functionality** – easily configured as a virtual tape library, standalone virtual tape drives, and/or disk volumes (LUNs).
- **Performance** – when configured as virtual tape, data is written sequentially and in large blocks for fast, reliable backup. Utilizes direct access disk technology for nearly instantaneous data recovery.
- **Easy Integration** – compatible with all popular open systems and Windows-based backup software, physical tape drives or libraries and easily connects to Ethernet (iSCSI) networks.

**REO Protection OS** – software embedded in all REO SERIES appliances. Provides data protection intelligence including virtualization, management, and connectivity. Also enables enhanced features via add-on software PACs (e.g. REO Multi-SitePAC).

**Dynamic Virtual Tape** – virtual tape cartridges are automatically sized to match backup job so no capacity is wasted. Eliminates manual effort and guesswork of sizing, configuring, and provisioning virtual cartridges.

**Easy to Setup and Manage** – robust web-based interface provides simple step-by-step setup and proactive monitoring. Integrating disk into your backup strategy has never been easier!

### 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.

### Features of the REO™ 1500 Disk-Based Backup and Recovery Appliance

- Enables fast, reliable backup and recovery
- User-defined functionality:
  - Virtual Tape Library
  - Virtual Tape Drives
  - Disk Volumes (LUNs)
- Up to 3 TB raw capacity
- RAID 5 data protection
- REO Protection OS™ software
- Dynamic Virtual Tape
- Compatible with all popular backup software
- Ethernet (iSCSI) connectivity

### Dan Schrenk
IT Manager,
Microneurosurgical Consultants

"The REO is fantastic, almost too good to be true. It’s all it claims to be and more—an easy-to-manage, versatile, fast and efficient data protection appliance that provides peace of mind."
### SPECIFICATIONS

#### FUNCTIONALITY
- 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).

#### CAPACITY* (SATA DISKS)

<table>
<thead>
<tr>
<th>Raw/RAID 5</th>
<th>- OR -</th>
<th>- OR -</th>
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</thead>
<tbody>
<tr>
<td>(4) 250 GB</td>
<td>(4) 500 GB</td>
<td>(4) 750 GB</td>
</tr>
<tr>
<td>1.0 TB (750 GB RAID 5)</td>
<td>2.0 TB (1.5 TB RAID 5)</td>
<td>3.0 TB (2.25 TB RAID 5)</td>
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#### MULTI-STREAM PERFORMANCE
- Up to 109 MB/sec

#### STANDARD SOFTWARE FEATURES
- REO Protection OS software with Dynamic Virtual Tape, disk virtualization, browser-based management, SNMP, and e-mail alerts

#### STANDARD HARDWARE FEATURES
- 19-inch rack-mount enclosure, hot-swap SATA disk drives, RAID controller, GbE data ports, 10/100 management port

#### EXTERNAL INTERFACES
- One, 1 Gb Ethernet (iSCSI) port (RJ45), One, Ethernet Management Port (RJ45)

#### ARRAY CONTROLLER
- Single RAID controller

#### RAID SUPPORT
- RAID 5

#### POWER REQUIREMENTS
- 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

#### ENCLOSURE
- Dimensions: 17 x 27 x 1.75 inches (43.18 x 68.58 x 4.45 cm), 1U rack-mount
- Weight: 35 lbs. (16 kg)

#### ENVIRONMENTAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Operating</th>
<th>Non-Operating</th>
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<tbody>
<tr>
<td>20-80% non-condensing</td>
<td>10-95% non-condensing</td>
</tr>
<tr>
<td>10-40°C</td>
<td>-40 to 60°C</td>
</tr>
<tr>
<td>-984 to 10,000 feet</td>
<td>-984 to 30,370 feet</td>
</tr>
<tr>
<td>10 G (11 ms half sine)</td>
<td>20 G (11 ms half sine pulse)</td>
</tr>
<tr>
<td>.25 G swept sine</td>
<td>1.0 G swept sine</td>
</tr>
<tr>
<td>(5-250-5 Hz) no errors</td>
<td>(5-250-5 Hz)</td>
</tr>
</tbody>
</table>

#### AGENCY APPROVALS
- UL/TUV, NRTL, CE, CUL (Canada), VCCI Class B/CISPR PUB 22 (Japan)

#### INTEROPERABILITY
- Contact Overland Storage or visit www.overlandstorage.com for the most current iSCSI, Fibre Channel, and backup software compatibility matrices

#### STANDARD WARRANTY
- Standard warranty includes 3-year Spares XchangeNow® and 90-day REO Protection OS support via telephone, e-mail, and Web. Extended service options available.