

REO 4000™

with ProtectionPAC™ software

HIGH-PERFORMANCE BACKUP AND RECOVERY APPLIANCE

Whether you want to simply add disk to your backup strategy, increase the speed of backup and recovery, implement long-distance, cost-effective disaster recovery solutions, or reduce your reliance on tape in the backup process, the Overland Storage® REO 4000™ with ProtectionPAC™ is the right solution. From an industry leader with over 23 years in the data protection business, the REO 4000 is the ideal choice for storage managers who want disk-speed data recovery, a cure for out-of-control backup windows and a method for improving the reliability of backup operations.

The REO 4000 is a shared storage resource that improves the speed and efficiency of existing tape-based backup environments. Capable of storing up to 2 TB of data, it uses RAID 5 disk storage to increase backup reliability while providing near instantaneous recovery of files. Support for both iSCSI and Fibre Channel connections enables easy integration into existing SAN environments, while Overland's ProtectionPAC software provides the flexibility to create virtual storage devices as needed to make the best use of the total available system capacity.

ProtectionPAC software allows a user to configure the REO 4000 into any combination of virtual tape devices and disk LUNs. The ability to dynamically size virtual tape drives to the size of individual backup jobs further increases storage efficiency by eliminating the wasted space incurred when emulating fixed length tape cartridges. The addition of dynamic sizing is a powerful enhancement to Overland's widely deployed virtual tape software technology. By storing tape images that are tailored to the size of the backup job, Overland allows users to access a significantly larger percentage of the available storage capacity.

Most important, the REO 4000 works with existing backup applications that were designed to support tape devices, providing users with a single backup catalog and a single media management system. This seamless compatibility allows easy deployment and integration into existing backup environments. As a result, REO 4000 users can quickly benefit from the ability to achieve rapid recovery of backup data from disk while continuing to rely on tape for long-term archival storage.

REO 4000 Features Include:

High performance—dual RAID controllers and dual high-speed connections to storage networks enable the REO 4000 to recover business-critical data at disk-speeds while helping to complete backups inside the backup window.

Flexible connectivity—utilizing dual GbE data ports with the option of adding dual 2 Gb Fibre Channel ports, the REO 4000 seamlessly integrates into existing storage networks.

Increased data availability—with hot-swap disk drives and power supplies, RAID 5 data protection and hot-sparing, the REO 4000 reliably supplies a high level of data availability.

Broad platform support—including Solaris, Microsoft® Windows®, and Linux, coupled with support for major third-party software applications, allows the REO 4000 to operate across a broad base of storage environments.

ProtectionPAC Software

Flexible virtual device support—provides the ability for each virtual device to be configured as a disk LUN or virtual tape drive, up to 64 total devices, enabling storage managers to implement a solution that most closely matches their current and future data protection requirements.

Dynamic Virtual Tape—provides the ability to dynamically size virtual tape drives to the size of individual backup jobs, providing higher usable capacity versus fixed length virtual tape devices.

Browser based management—provides proactive monitoring capability, event notification and remote management capability. The REO 4000 allows you to easily manage your backup and recovery process from a location that's convenient for you.



- TOTAL CAPACITY OF 2 TB PER UNIT
- ProtectionPAC SOFTWARE
- DYNAMIC VIRTUAL TAPE SUPPORT
- GbE AND FIBRE CHANNEL CONNECTIVITY
- SIMULTANEOUS DISK AND TAPE SUPPORT

REO 4000 SPECIFICATIONS

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| SYSTEM STORAGE CAPACITY* Total Capacity | 2.0 TB (eight 250 GB SATA disk drives per unit) | |
| STANDARD SOFTWARE FEATURES | ProtectionPAC software with Dynamic Virtual Tape, disk virtualization, browser-based management, email alerts | |
| STANDARD HARDWARE FEATURES | 19-inch rack-mount enclosure, hot-plug disk drives, redundant hot-plug power supplies, redundant cooling, dual RAID controllers, dual GbE data ports, 10/100 management port | |
| EXTERNAL INTERFACES Host Management Expansion | Two GbE Ports (RJ45), Two 2 Gb Fibre Channel ports (LC)—optional 10/100 Ethernet port (RJ45) Two UltraSCSI 320 ports (HD68) | |
| CONTROLLERS | Dual RAID controllers | |
| RAID SUPPORT | JBOD, RAID 0, RAID 5 | |
| DYNAMIC VIRTUAL TAPE/LUNS | Any combination of Dynamic Virtual Tape Drives and LUNs, up to 64 total | |
| POWER REQUIREMENTS Voltage Frequency Current Power Cord Connector (US) Power Consumption | 100 to 120 VAC, 200 to 240 VAC+/-10% 47 to 63 Hz 5A @ 115 VAC, 2.5A @ 230 VAC IEC 60320 C13 connectors, two per unit Steady state 203 W; Peak 277 W | |
| ENCLOSURE Dimensions (H x W x D) Vertical Rack Units Weight | 3.5 x 17 x 27 inches (8.9 x 43.2 x 68.6 cm) 2U rack-mount 56 lbs. (25.4 kg) | |
| ENVIRONMENTAL REQUIREMENTS Humidity Temperature Altitude Shock Vibration | OPERATING 20–80% non-condensing 10–40° C -984 to 10,000 feet -300 to 3,048 m 10 G (11 ms half sine pulse) .25 G swept sine (5–250–5 Hz) no errors | NON-OPERATING 10–95% non-condensing -40 to 60° C -984 to 30,370 feet -300 to 12,000 m 20 G (11 ms half sine pulse) 1.0 G swept sine (5–250–5 Hz) |
| AGENCY APPROVALS | UL/TUV, NRTL, CE, CUL (Canada), VCCI Class B/CISPR PUB 22 (Japan), TUV GS (Germany), BSMI (Taiwan) | |
| INTEROPERABILITY | Contact Overland Storage or visit www.overlandstorage.com for the most current iSCSI, Fibre Channel, and backup software compatibility matrices | |

* One TB equals one trillion bytes.

WORLDWIDE HEADQUARTERS

4820 Overland Avenue
San Diego, CA 92123 USA
TEL 1-800-729-8725
1-858-571-5555
FAX 1-858-571-3664
EMAIL sales@overlandstorage.com

UNITED KINGDOM (EMEA OFFICE)

Overland House
Ashville Way
Wokingham, Berkshire
RG41 2PL England
TEL +44 (0) 118-9898000
FAX +44 (0) 118-9891897
EMAIL europe@overlandstorage.com

FRANCE OFFICE

Overland Storage
13 rue Camille Desmoulins
92441 Issy Les Moulineaux Cedex
France
TEL +33 (0) 1 58 04 25 50
FAX +33 (0) 1 58 04 26 36
EMAIL europe@overlandstorage.com

GERMANY OFFICE

Humboldtstr. 12
85609 Dornach
Germany
TEL +49-89-94490-214
FAX +49-89-94490-414
EMAIL europe@overlandstorage.com

ASIA PACIFIC REP. OFFICE

Level 44, Suntec Tower Three
8 Temasek Boulevard
Singapore 038988
TEL +65 6866 3848
FAX +65 6866 3838
EMAIL asia@overlandstorage.com

WWW.OVERLANDSTORAGE.COM