

Save

Versatile, Disk-Based Backup and Recovery Appliance

REO® 9100c

with Protection OS™

Exponential data growth, shrinking backup windows, unreliable backups and the need for fast data recovery combined with new government regulations make data protection a challenge for any IT professional. The Overland REO® 9100c Disk-Based Backup and Recovery Appliances solve these challenges by providing fast, reliable data backup and recovery while reducing operating costs. Easily configured as a virtual tape library, standalone virtual tape drives, and/or disk volumes (LUNs), the REO can be easily deployed and modified to adapt to changing data protection requirements.

Unlike tape solutions and other disk-based backup systems, only the REO SERIES® includes REO Protection OS™ software, which embeds data protection intelligence. 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 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.

REO 9100c appliances are compatible with all popular open systems and Windows-based backup software, physical tape drives and libraries and easily connect to existing Ethernet (iSCSI) and Fibre Channel networks for seamless integration without changes to existing backup

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

REO SERIES 9100c 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) and Fibre Channel 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!

For more than 25 years, businesses have trusted Overland Storage to protect their most valuable information with industry-leading backup and recovery solutions. Overland's family of disk and tape solutions, combined with our superior service, support and quality focus, ensure that your data is automatically safe, readily available and always there.



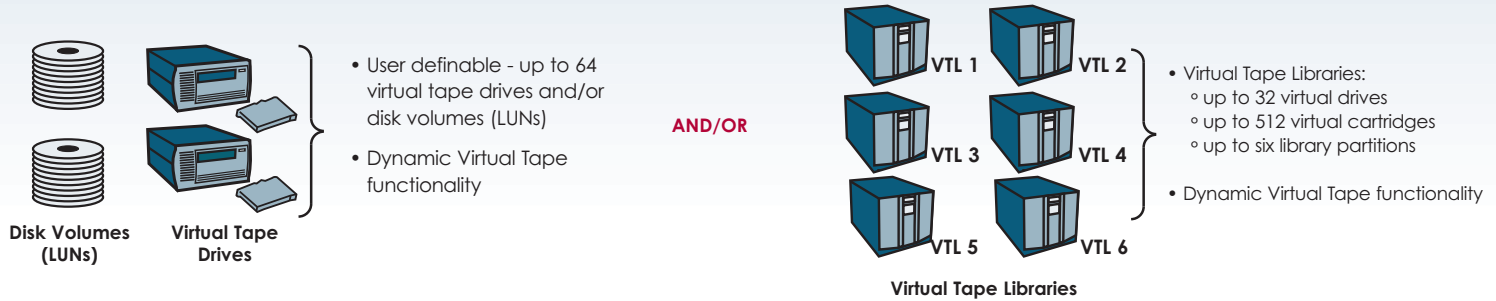
- Enables fast, reliable backup and recovery
- User-defined functionality:
 - Virtual Tape Library
 - Virtual Tape Drives
 - Disk Volumes (LUNs)
- Up to 72 TB raw capacity, 124 TB useable compressed Virtual Tape capacity
- REO Protection OS™ software
- Dynamic Virtual Tape
- Compatible with all popular backup software
- Ethernet (iSCSI) and Fibre Channel connectivity

REO 9100c Hardware Compression:

The hardware compression option effectively doubles the useable virtual tape capacity of the REO 9100 and connected expansion arrays, making it the most cost effective way to store more backup data on disk. The combination of hardware compression and Dynamic Virtual Tape ensure REO is the most efficient and cost effective VTL available.



REO SERIES - CONFIGURATION EXAMPLE:



SPECIFICATIONS

FUNCTIONALITY

CAPACITY* (SATA DISKS)

Base system:
Raw / RAID 5
Virtual Tape Compressed (9100c)

Expansion arrays:
Four Expansion Array (up to 4 total):
Raw / RAID 5
Virtual Tape Compressed (9100c)
Maximum Capacity (base system with four expansion arrays):
Total Raw / RAID 5
Total Virtual Tape Compressed (9100c)

MULTI-STREAM PERFORMANCE

STANDARD SOFTWARE FEATURES

STANDARD HARDWARE FEATURES

EXTERNAL INTERFACES

Data
Management
Expansion

ARRAY CONTROLLER

RAID SUPPORT

POWER REQUIREMENTS

Voltage
Frequency
Current
Power Cord Connector (US)
Power Consumption

ENCLOSURE

Dimensions
Weight (unpacked)

ENVIRONMENTAL REQUIREMENTS

Humidity
Temperature
Altitude
Shock
Vibration

AGENCY APPROVALS

INTEROPERABILITY

STANDARD WARRANTY

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).

REO 9100c base systems are 24 disks. All base and expansion arrays ship with RAID 5 with hot spare (factory default).

(24) 500 GB 12 TB / 10 TB 20 TB	- OR -	(24) 750 GB 18 TB / 15 TB 30 TB	- OR -	(24) 1 TB 24 TB / 20 TB 40 TB
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16 (500 GB) 8 TB / 7 TB 14 TB	- OR -	16 (750 GB) 12 TB / 10.5 TB
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44 TB / 38 TB 76 TB	- OR -	72 TB / 62 TB 124 TB
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UP TO 600 MB/sec.

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

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

Two, Gb Ethernet (iSCSI) ports (RJ45); Two, 4 Gb Fibre Channel Ports (optional)
One Ethernet management port (RJ45)
Two UltraSCSI 320 ports (VHDCI) for REO 9100 Expansion Arrays

Dual RAID controllers

RAID 5 (with or without hot spare)

90 to 120 VAC, 200 to 240 VAC+/-10%
47 to 63 Hz
6A @ 115 VAC, 3A @ 230 VAC; 20A max at start-up
IEC 60320 C13 connectors, four per unit
Steady state 500 W; Peak 525 W (fully populated)

8.75 x 19.0 x 27.0 inches (22.2 x 48.3 x 68.6 cm) 5U rackmount
130 lbs. (59 kg)

OPERATING 20–80% non-condensing 10–40° C -984 to 10,000 ft (-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 ft (-300 to 12,000 m) 20 G (11 ms half sine pulse) 1.0 G swept sine (5–250–5 Hz)
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NRTL (US & Canada), CE, VCCI Class A/CISPR PUB 22 (Japan), BSMI (Taiwan)

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

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

* One TB equals one trillion bytes. Expansion Array specifications available on separate datasheet.

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