

NEO SERIES™

8000



The NEO SERIES™ 8000 library from Overland Storage delivers unmatched storage capability for organizations with very large amounts of mission-critical data. NEO 8000's award-winning architecture is designed to support the demanding requirements of SAN backup and archive operations, providing users with the benefits of increased data protection, enhanced data availability and the lowest possible cost of ownership.

PROVEN TECHNOLOGY

The NEO architecture has been chosen by thousands of major corporations worldwide as their library-technology-of-choice due to its robust, flexible, reliable design and enterprise-class capability. NEO 8000 capitalizes on that experience and takes a leap forward by bringing more capacity, faster performance and higher data availability to large data centers.

ENTERPRISE-CLASS PERFORMANCE AND CAPACITY

Available in both SCSI and native Fibre Channel configurations, the NEO 8000 provides the capacity and speed required by today's high-performance SAN environments. Designed to accommodate both LTO and SDLT tape technologies, the NEO 8000 provides access to as much as 800 TB of storage at over 14 TB/hour.*

COST-EFFECTIVE SCALABILITY

No matter what the size of your data center, it is likely experiencing rapid growth in data storage requirements as you move to SAN functionality and consolidate multiple data centers. The NEO 8000 is designed to accommodate those changes by easily scaling from as few as 85 to as many as 1,000 cartridges, and from two to 24 tape drives.

SIMPLIFIED MANAGEABILITY

Overland makes managing your library more convenient by providing remote management capability with Overland's WebTLC technology. WebTLC, a remote library management tool embedded in the NEO, allows you to securely view and manage the library and all of its functions from any location that's convenient for you via an internet browser. The NEO 8000's built-in diagnostic capabilities proactively monitor and manage your backup and archive process, and notify you via emails and pages with library operation status, minimizing costly downtime.

FLEXIBLE CONNECTIVITY

Regardless of whether your data center storage applications require SCSI, Fibre Channel, iSCSI or NDMP connectivity to optimize performance, the NEO 8000 has the solution that's right for you. Utilizing Overland's V.I.A.™ (Virtual Interface Architecture) technology, your network or SAN can easily communicate with the NEO 8000 tape library, by using one or more of the V.I.A. cards installed in the unit's rear-panel card cages.

MAXIMIZED AVAILABILITY

Your data center likely demands zero downtime. The NEO 8000 provides multiple redundancy features to ensure that your data is always available. Hot-swap tape drives and power supplies ensure non-disruptive replacement. The NEO 8000's redundant power feature ensures that your library is protected against power failures. Proactive system monitoring and user-alerts ensure that potential points of failure are addressed in a way that minimizes the impact to your productivity. The NEO 8000's advanced diagnostics capability ensures that repair time is minimized. The end result is a reduction in the resources needed to reliably manage your backup and archive process and improve reliability and data availability.

INVESTMENT PROTECTION

The NEO 8000 provides the ultimate in investment protection. NEO's industry-leading density means you benefit from more storage capacity per square foot than any other data center-class library on the market, mimicking the use of costly data center space. NEO's partitioning capability allows you to re-define the library into several smaller libraries, providing multi-server, multi-platform access, supporting backup consolidation and allowing you to allocate the cost of the library across your entire data center.

SERVICE YOU CAN COUNT ON

NEO 8000 support includes 5x9x24 on-site service, with a highly-trained worldwide service team dedicated to supporting each system installation. A thorough site survey and pre-installation support is included in the purchase price, and professional installation services are provided. Verification of proper system operation is conducted before an installation is complete.

EXPERIENCE YOU CAN TRUST

With 25 years of experience in data protection solutions, and expertise in both disk and tape technologies, Overland meets the needs of IT professionals worldwide by delivering D2D and D2D2T solutions that optimize the data backup, recovery and archive process. With award-winning designs, patented technologies, superior reliability, first-class sales and support, and a variety of solutions to meet a number of different needs, Overland Storage is the right choice for your data protection needs.



- Up to 800 TB capacity
- Up to 14 TB/hour performance
- LVD SCSI or native Fibre Channel
- Intelligent data management
- Superior density
- Up to 1000 cartridges; Up to 24 tape drives
- LTO or SDLT

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MODELS	100	85	180	153	260	221	340	289	420	357	500	425
DRIVES AND MEDIA • Drive type • Media type	LTO-3/LTO-2 Ultr 3/Ultr 2	SDLT 600 Super DLT tape II	LTO-3/LTO-2 Ultr 3/Ultr 2	SDLT 600 Super DLT tape II	LTO-3/LTO-2 Ultr 3/Ultr 2	SDLT 600 Super DLT tape II	LTO-3/LTO-2 Ultr 3/Ultr 2	SDLT 600 Super DLT tape II	LTO-3/LTO-2 Ultr 3/Ultr 2	SDLT 600 Super DLT tape II	LTO-3/LTO-2 Ultr 3/Ultr 2	SDLT 600 Super DLT tape II
LIBRARY CONFIGURATION • Number of cartridges • Number of drives • Number of mailslot cartridges • Max. number of fully configured modules: 2	100 2-12 15	85 2-12 13	180 2-12 15	153 2-12 13	260 2-12 15	221 2-12 13	340 2-12 15	289 2-12 13	420 2-12 15	357 2-12 13	500 2-12 15	425 2-12 13
STORAGE CAPACITY • Max. compressed * (TB)	80/40	51	144/72	91.8	208/104	132.6	272/136	173.4	336/168	214.2	400/200	255
SYSTEM PERFORMANCE • Max. compressed * transfer (GB/hr.) w/ min. number of drives • Max. compressed * transfer (TB/hr.) w/ max. number of drives	1.2 TB / 432	518.4	1.2 TB / 432	518.4	1.2 TB / 432	518.4	1.2 TB / 432	518.4	1.2 TB / 432	518.4	1.2 TB / 432	518.4
PHYSICAL • Dimensions (H x W x D) • Weight Base configuration as shipped Base configuration w/ max. active tape drawers + max. no. of drives	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm	76 x 24 x 41.5 in. 193 x 61 x 105 cm

RELIABILITY

Robotics MSBF (exchanges)
>3,000,000 (Single Module)

Drive MTBF
250,000 hours

CONNECTIVITY

Robotics and drive interface
LVD SCSI or Native Fibre Channel std.
GbE (NDMP or iSCSI) optional

Web TLC interface
10 BaseT; browser-ready with
SNMP event notification

POWER REQUIREMENTS

Voltage
100 to 240 VA

Frequency
50 to 60 Hz

Power
640 Watts typical (single module)

CERTIFICATIONS

Agencies
UL, UL-Canada, TUV PS, CE Mark, FCC and VCCI

*Assumes compression ratio of 2:1. Actual performance may vary with the application.

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