

NEO® 8000 Series

Enterprise Tape Library Delivers Unrivaled Backup and Archive Capabilities

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. Based on the award-winning NEO platform, the NEO® 8000 provides reliability, data availability and serviceability features designed to cost-effectively address the data storage needs of even the most complex data centers.

Manageability

The NEO 8000 provides intelligent, proactive remote management capability that reduces operational costs and improves data availability. When combined with features such as configurable mail slots, field upgradable/serviceable components, an intuitive touch-screen user interface and industry-leading data center density, NEO 8000 ensures the most effective and reliable management of your backup and archive process.

Data availability

Whether it's robotic failover, redundant hot-swap power, high-performance drive management or advanced diagnostics capabilities, NEO 8000 eliminates single points of failure that can result in costly downtime. Resulting in the ideal backup and archive solution for high-performance, high-duty-cycle data center environments, NEO 8000 provides a robust, reliable platform that ensures high data availability

Technology leadership

As the industry's leading innovator of technologies such as multi-module scalability and library partitioning, NEO 8000 utilizes Overland-patented technologies to provide faster, more reliable, more flexible operation while seamlessly integrating into any network environment.

Flexibility

NEO 8000's innovative multi-module design lets you grow in to, not out of, your storage. Giving you the flexibility to start out with as few as 100 tape cartridges and a single tape drive, and seamlessly grow to as many as 1,000 tape cartridges and 24 tape drives, NEO 8000 provides you with the capacity and performance needed to meet your present and future backup and archive needs.

Storage Density

Occupying just 7 square feet of floorspace, NEO 8000 delivers an extremely dense storage solution, providing up to 1.5TB of backup and archive capacity while minimizing the use of costly data center space.



Highlights

- Capacity ranging from 80TB to 3PB¹
- Cartridge scalability ranging from 100 to 1000 slots
- Data transfer rates as high as 24TB/hr¹
- Tape drive scalability ranging from 1 to 24 tape drives
- Intelligent data management
- Redundant robotics for improved data availability²
- Supports AES 256-bit encryption
- Superior storage density

¹In multi-module environments

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

Specifications

Library Configuration	Base Configuration		Maximum Configuration		Scaled Configuration	
# of cartridges	100		500		1000	
# of cartridge drawers	1		6		12	
# of slots per drawer	80		80		80	
# of fixed cartridge cells	20		20		40	
# of mail slots	15		15		30	
Max. # of tape drives supported	12		12		24	
Drive types supported	LTO-5, LTO-4, LTO-3		LTO-5, LTO-4, LTO-3		LTO-5, LTO-4, LTO-3	
Capacity	<u>LTO-5</u>	<u>LTO-4</u>	<u>LTO-5</u>	<u>LTO-4</u>	<u>LTO-5</u>	<u>LTO-4</u>
Maximum native capacity	150TB	80TB	750TB	400TB	1.5TB	800TB
Maximum compressed capacity	300TB	160TB	1.5TB	800TB	3.0TB	1.6TB
Performance						
Maximum native data transfer rate	6.0TB/hr	5.2TB/hr	6.0TB/hr	5.2TB/hr	12.0TB/hr	10.4TB/hr
Maximum compressed data transfer rate	12.0TB/hr	10.4TB/hr	12.0TB/hr	10.4TB/hr	24.0TB/hr	20.8TB/hr
Interfaces						
	8Gb FC iSCSI option	4Gb FC U320 LVD SCSI iSCSI option	8Gb FC iSCSI option	4Gb FC U320 LVD SCSI iSCSI option	8Gb FC iSCSI option	4Gb FC U320 LVD SCSI iSCSI option
Dimensions						
HxWxD	76" x 24" x 41.5" (193 x 61 x 105 cm)		76" x 24" x 41.5" (193 x 61 x 105 cm)		76" x 48" x 41.5" (193 x 122 x 105 cm)	
Weight	705 lb. (320 kg.)		758 lb. (344 kg.)		1,516 lb. (688 kg.)	
Reliability						
MCBF (mean cycles between failures)			>2,000,000 cycles			
MTTR (mean time to repair)			< 15 minutes			
Operation						
Mount time			< 20 seconds			
Dismount time			< 20 seconds			
Inventory time (80 cartridges)			< 25 seconds			
Inventory time (500 cartridges)			< 5 minutes			
Environmental						
Operating Temperature			0°C to 50°C			
Operating Humidity			15% to 85%			
Voltage			100-240 VAC			
Frequency			47-63 Hz			
Power (min)			484 watts			
BTU/hr			1653			
Agency Approvals	NRTL (US and Canada), CE, TUV GS FCC-A, ICES, CE, VCCI, BSMI, RoHS, WEE					
Accessories Included	US power cord, serial cable, documentation (SCSI terminator included with SCSI configurations)					
Optional Accessories	LTO-5 tape drives, LTO-4 tape drives, LTO-3 tape drives, LTO-5 media, LTO-4 media, LTO-3 media, LTO cleaning cartridges, library/host SCSI cables, capacity increase module, additional power supplies, multi-module robotics assembly, partitioning VIA card, iSCSI VIA card					
Warranty	1 year onsite; warranty extensions and upgrades available					



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