NEOs Series
Automated Tape Libraries

The ultimate in simple, affordable, reliable backup, archive and disaster recovery solution

NEOs T24

NEOs StorageLoader

Overland-Tandberg

Overland-Tandberg "best in class" data storage and archive solutions enable organizations, of all sizes, to securely manage and protect their digital assets.

Our superior technologies and services expertise translate into data management solutions that are powerful, yet easy to use.

Disk is an expensive place to store massive amounts of idle data, so moving data off to tape is smarter. Archiving data to a NEOs Series tape library reduces backup storage and costs and improves the performance of networks and disk-based backup systems. NEOs Series tape libraries also enable offline (air-gapped) data storage which offers a higher level of data security and compliance.

Remote Management
- Provides easy remote access to your NEOs tape library from anywhere in the world
- Enables effortless management with a simple, intuitive interface

Removable Cartridge Magazines
- Enables secure, convenient, rapid media handling
- Provides effortless off-site transportation of cartridges for disaster recovery planning
- Includes mailslot operation

Upgradeable Tape Drives
- Eliminates costly downtime
- Provides increased performance and efficiency
- Enables cost-effective upgrades to next generation technology

Optimized Storage Density
- Minimizes the use of costly data center rack space
- Scalable storage density with tape drive upgrades

Simple

Web-based remote management provides easy and convenient administration from anywhere in the world. Removable cartridge magazines enable easy access to tapes, reduce media handling costs and facilitate offline storage of your data for offline security and disaster recovery purposes. Standard barcode readers reduce media inventory times and simplify media management. Mail slots deliver easy, secure access to individual tape cartridges without interrupting library operations. NEOs tape drives are easily added, removed or replaced, providing the flexibility to adapt to changing data storage requirements.

Compact

Available in rack-friendly 1u and 2u form factors, NEOs packs 8 or 24 tapes into a 1U or 2U rack space. The ability to store so much data in such a small space minimizes the use of valuable rack space and reduces your overall cost of ownership.

Affordable

NEOs ease-of-use features mean you spend less time managing your backup and archive, reducing your administrative costs. NEOs is an extremely reliable platform, service and maintenance costs are reduced and the costs associated with downtime and lost productivity are eliminated. Effortless upgrade-ability to next-generation technologies protect your investment long-term while allowing you to increase your storage capacities and transfer rates in order to keep up with the ever-increasing demand to store more and more data.

Versatile

Providing a dense data storage capacity, NEOs tape library solutions are designed to flex as your backup, archive and capacity needs evolve. Available with SAS or Fibre Channel connectivity, NEOs easily integrates into your existing network infrastructure and provides seamless compatibility with 3rd party backup software applications. Native partitioning capability in NEOs T24 tape libraries provides the ability to carve a single physical library into smaller logical libraries to securely use your NEOs tape library for a variety of different storage applications.

OverlandTandberg.com

Configurations				LTO-9		LTO-8		LTO-7	
	Form factor	# of slots	# of drives	Capacity* Up to TB	Performance* Up to TB/hr.	Capacity* Up to TB	Performance* Up to TB/hr.	Capacity* Up to TB	Performance* Up to TB/hr.
StorageLoader	1u	8	1	360	2.7	240	2.7	120	2.7
T24	2u	24	2	1,080	5.4	720	5.4	360	5.4

Specifications	NEOs StorageLoader				NEOs T24			
Configuration (total #)	Cartridge slots 8	Magazines 2	Mail slots 1	Tape drives 1	Cartridge slots 24	Magazines 2	Mail slots 1	Tape drives 1-2
Tape drive technologies supported	LTO-9, LTO-8, LTO-7							
Interfaces and connectors	12Gb Mini-SAS HD SFF-8644 (LTO-9), 6Gb Mini-SAS (LTO-7 and LTO-8), 8Gb LC Optical FC, 1GbE RJ-45 (remote management)							
Capacity (max.)	uncompressed LTO-9: 144TB LTO-8: 96TB LTO-7: 48TB		compressed* LTO-9: 360TB LTO-8: 240TB LTO-7: 120TB		uncompressed LTO-9: 432TB LTO-8: 288TB LTO-7: 144TB		compressed* LTO-9: 1,080TB LTO-8: 96TB LTO-7: 360TB	
Transfer rate (max # drives)	uncompressed LTO-9: Up to 1TB/hr. LTO-8: Up to 1TB/hr. LTO-7: Up to 1TB/hr.		compressed* LTO-9: Up to 2.7TB/hr. LTO-8: Up to 2.7TB/hr. LTO-7: Up to 2.7TB/hr.		uncompressed LTO-9: Up to 2.2TB/hr. LTO-8: Up to 2.2TB/hr. LTO-7: Up to 2.2TB/hr.		compressed* LTO-9: Up to 5.4TB/hr. LTO-8: Up to 5.4TB/hr. LTO-7: Up to 5.4TB/hr.	
Reliability (library MCBF)	2,000,000 cycles							
User interface	LCD front panel and web-based remote management							
Form factor	1u				2u			
Dimensions without packaging: HxWxD	1.73 x 18.98 x 31.85 in. (4.39 x 48.21 x 80.87 cm)				3.44 x 17.6 x 29.13 in. (87.4 x 44.7 x 73.9 cm)			
Dimensions with packaging: HxWxD	16.2 x 24.1 x 40.2 in. (41.14 x 61.21 x 102.10 cm)				20 x 24 x 40 in. (50.8 x 60.96 x 101.6 cm)			
Weight with packaging	53 lbs. (24 kg)				64 lbs. (29 kg)			
Input power	100 - 240 VAC; 50 - 60 Hz							
Power consumption	80W				160W			
Operating temperature	50° to 95° F (10° to 35° C) operating							
Operating humidity	20-80% (operating, non-condensing)							
Standard warranty	Bronze (see regional price list for duration)							
Warranty upgrade options	Silver and Gold (Next Business Day options) Platinum (24x7x4h Response)							
Included in standard configuration	Library with (1) tape drive, US & European power cord, Quick Start Guide, rackmount hardware							
Accessories	Additional Magazines, Upgrade LTO Tape Drives, LTO Media, Barcodes							

* With 2.5:1 compression.

DS_v5_oct21_2021