

# NEO S-Series Automated Tape Libraries



At Overland-Tandberg we recognize the need for your business to do more with less. Designed for IT offices with limited space, limited resources and limited budgets, the NEOs family delivers the ultimate in simple, affordable, reliable backup, archive and disaster recovery.

Because disk is an expensive place to store massive amounts of infrequently accessed data, best practices recommend archiving data off to tape. Moving the data to a NEO S-Series library reduces backup storage requirements, reduces costs, improves use of valuable floor space, improves energy efficiency, provides a higher level of data security and improves performance of networks and disk-based backup systems. NEO S-Series tape libraries provide the capacities, features and efficiencies needed for archived data.



Remote Management

- Provides easy unattended access to your NEOs library from anywhere in the world
- Enables effortless management with a simple, intuitive interface
- Proactively monitors performance for increased data reliability and reduced cost of ownership



Upgradeable Tape Drives

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



Removable Cartridge Magazines

- Enables secure, convenient, rapid media handling
- Provides effortless off-site transportation of cartridges for disaster recovery planning
- Reduces administrative costs



Optimized Storage Density

- Minimizes the use of costly data center rack space
- Provides as much as 1.44PB of storage capacity in just 4u of rack space
- Improves the use of disk storage with support for NEO Agility LTFS

## Simple

Web-based remote management provides easy and convenient administration of the data archive process from anywhere in the world. Removable cartridge magazines enable easy access to data, reduce media handling costs and facilitate offline storage of your data for 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, 2u and 4u form factors, NEOs packs up to 360TB of data into a single unit of rack height. The ability to store so much data in such a small space minimizes the use of valuable rackspace 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. Because NEOs is an extremely reliable platform, service and maintenance costs are reduced and the costs associated with downtime and lost productivity are eliminated. Effortless upgradeability 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 up to 1.4PB of data storage capacity, NEOs tape library solutions are not only designed to meet your data backup and archive needs but to add storage as needed. 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 and T48 libraries provides the ability to carve a single physical library into smaller logical libraries and securely use your NEOs library for a variety of different storage applications.

## Specifications



**NEOs StorageLoader**



**NEOs T24**



**NEOs T48**

Configuration (total #)	cartridge slots 8	magazines 2	mailslots 1	tape drives 1	cartridge slots 24	magazines 1-2	mailslots 1	tape drives 1-2	cartridge slots 48	magazines 4	mailslots 3	tape drives 1-4
<b>Tape Drives Supported</b>	LTO-8, LTO-7, LTO-6, LTO-5				LTO-8, LTO-7, LTO-6, LTO-5				LTO-8, LTO-7, LTO-6, LTO-5			
<b>Capacity (max)</b>	uncompressed		compressed		uncompressed		compressed		uncompressed		compressed	
	LTO-8: 96TB		LTO-8: 240TB		LTO-8: 288TB		LTO-8: 720TB		LTO-8: 576TB		LTO-8: 1.4PB	
	LTO-7: 48TB		LTO-7: 120TB		LTO-7: 144TB		LTO-7: 360TB		LTO-7: 260TB		LTO-7: 720TB	
	LTO-6: 20TB		LTO-6: 50TB		LTO-6: 60TB		LTO-6: 150TB		LTO-6: 120TB		LTO-6: 300TB	
	LTO-5: 12TB		LTO-5: 24TB		LTO-5: 36TB		LTO-5: 72TB		LTO-5: 72TB		LTO-5: 144TB	
<b>Transfer Rate (max # drives)</b>	uncompressed		compressed		uncompressed		compressed		uncompressed		compressed	
	LTO-8: Up to 1TB/hr.		LTO-8: Up to 2.7TB/hr.		LTO-8: Up to 2.2TB/hr.		LTO-8: Up to 5.4TB/hr.		LTO-8: Up to 4.2TB/hr.		LTO-8: Up to 10.8TB/hr.	
	LTO-7: Up to 1TB/hr.		LTO-7: Up to 2.7TB/hr.		LTO-7: Up to 2.2TB/hr.		LTO-7: Up to 5.4TB/hr.		LTO-7: Up to 4.2TB/hr.		LTO-7: Up to 10.8TB/hr.	
	LTO-6: Up to 576GB/hr.		LTO-6: Up to 1.4TB/hr.		LTO-6: Up to 1.2TB/hr.		LTO-6: Up to 2.9TB/hr.		LTO-6: Up to 2.3TB/hr.		LTO-6: Up to 5.8TB/hr.	
	LTO-5: Up to 504GB/hr.		LTO-5: Up to 1TB/hr.		LTO-5: Up to 1TB/hr.		LTO-5: Up to 2TB/hr.		LTO-5: Up to 2TB/hr.		LTO-5: Up to 4TB/hr.	
<b>Reliability</b>	MSBF (mean swaps between failures): 2,000,000 MTBF (mean time between failures): 100,000 hours				MSBF (mean swaps between failures): 2,000,000 MTBF (mean time between failures): 100,000 hours				MSBF (mean swaps between failures): 2,000,000 MTBF (mean time between failures): 100,000 hours			
<b>Host Interface</b>	6Gb SAS, 8Gb FC				6Gb SAS, 8Gb FC				6Gb SAS, 8Gb FC			
<b>Connectors</b>	Mini-SAS, LC Optical FC				Mini-SAS, LC optical FC				Mini-SAS, LC optical FC			
<b>User Interface</b>	LCD front panel; web-based remote management				LCD front panel; web-based remote management				LCD front panel; web-based remote management			
<b>Physical Specifications</b>	Dimensions: 1.73"(h) x 18.98"(w) x 31.85"(d); 1u 43.94mm x 482.1mm x 808.7mm Weight: 25.4 lbs (without rackmount) 11.52 Kg				Dimensions: 3.44"(h) x 17.6"(w) x 29.13"(d); 2u 87.4mm x 447.0mm x 739.9mm Weight: 33 lbs (without rackmount) 14.97 Kg				Dimensions: 6.9"(h) x 17.6"(w) x 29.13"(d); 4u 175.3mm x 447.0mm x 739.9mm 47 lbs (without rackmount) 21.31 Kg			
<b>Power</b>	100 - 240 VAC; 50 - 60 Hz; 80 watts (max)				100 - 240 VAC; 50 - 60 Hz; 168 watts (max)				100 - 240 VAC; 50 - 60 Hz; 312 watts (max)			
<b>Environmental Requirements</b>	Humidity: 10-80% (operating, non-condensing) Temperature: 5 °C to 40 °C (operating)				Humidity: 20-80% (operating, non-condensing) Temperature: 10 °C to 35 °C (operating)				Humidity: 20-80% (operating, non-condensing) Temperature: 10 °C to 35 °C (operating)			
<b>Standard Warranty</b>	NEO S-Series products are covered by a Bronze One-year Advanced Parts Replacement and 9x5 telephone support warranty. NEOs libraries are eligible for enhanced maintenance options to augment the standard limited warranty. For full details of all of our service programs, please contact your preferred authorized reseller or contact Overland Storage at 1-858-571-5555.											
<b>Upgrade Options</b>	3 years advanced parts replacement 1 year/ 3 years onsite				3 years advanced parts replacement 1 year/ 3 years onsite				3 years advanced parts replacement 1 year/ 3 years onsite			
<b>Included in Std. Configuration</b>	Library with (1) tape drive, US & European power cord, Quick Start Guide, rackmount hardware											
<b>Accessories</b>	LTO-8/ LTO-7/ LTO-6 / LTO-5 upgrade tape drives, LTO-8/ LTO-7/ LTO-6 / LTO-5 media, LTO cleaning cartridges, SAS connectivity kit, LTO-8 / LTO-7 / LTO-6 / LTO-5 barcode labels, 8-slot magazines				LTO-8/ LTO-7/ LTO-6/ LTO-5 add-on tape drives, LTO-8/ LTO-7/ LTO-6/ LTO-5 media, LTO cleaning cartridges, SAS connectivity kit, LTO-8 / LTO-7 / LTO-6/ LTO-5 barcode labels, 12-slot magazines				LTO-8/ LTO-7/ LTO-6 / LTO-5 add-on tape drives, LTO-8 / LTO-7/ LTO-6 / LTO-5 media, LTO cleaning cartridges, SAS connectivity kit, LTO-8 / LTO-7/ LTO-6/ LTO-5 barcode labels, 12-slot magazines, redundant power option			

Sales and support for Overland-Tandberg products and solutions are available in over 90 countries.  
Contact us today at [sales@overlandstorage.com](mailto:sales@overlandstorage.com) or [sales@tandbergdata.com](mailto:sales@tandbergdata.com)

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