

In a world where the amount of corporate data generated doubles every 18 months and companies are legally bound to store the data long-term, IT managers are faced with the challenge of how to back up, archive and restore that data more efficiently and more affordably. Enter Overland Storage – where we recognize the need for your business to do more with less, and help address your small-to-medium sized business storage needs with the NEOs family of tape library solutions. Designed for IT offices with limited space, limited resources and limited budgets, the NEOs family delivers the ultimate in simple, affordable backup, archive and disaster recovery.

Versatile

Providing anywhere from 19.2TB to 144TB of data storage capacity, NEOs tape library solutions are designed to meet your data storage requirements and grow into, not out of, your storage solution. Available with SCSI, SAS or Fibre Channel connectivity, NEOs easily integrates into your existing network infrastructure and provides ease-of-compatibility with 3rd party backup software applications. Utilizing industry-leading LTO tape drives, NEOs combines high-capacity storage with high-performance data transfer rates and increased backup and archive efficiency. Native partitioning provides the ability to carve a single physical library into smaller logical libraries and use your NEOs library for a variety of different storage applications.

Simple

Web-based remote management provides easy and convenient management of the backup and archive process from anywhere in the world. Removable cartridge magazines enable easy access to data and reduce media handling costs. Standard barcode readers reduce inventory times and simplify media management. User-configurable mail slots deliver easy, secure access to individual tape cartridges. NEOs tape drives are easily removed and replaced, providing effortless upgradability to next-generation tape drive technologies. Combine the NEOs ease-of-use features with its effortless configuration and installation and you will be backing up and archiving data in no time at all.

Affordable

NEOs not only provides an extremely affordable purchase price, but it also provides long-term affordability that protects your storage budget by reducing your long-term cost of ownership. Industry-leading reliability significantly reduces service and maintenance costs, in addition to the costs associated with downtime and lost productivity. The effortless upgradability of NEOs tape drives protects your library investment while allowing you to stay current with next-generation tape drive technologies. NEOs also provides increased productivity with its vast array of ease-of-use features, resulting in a lower overall cost of ownership.

Compact

NEOs is available in a rack-friendly 2u and 4u form factor. Packing up to 72TB of storage into 2u and 144TB into 4u, NEOs provides extremely dense packaging and minimizes the use of valuable rack space.

Specifications

	NEO 200s	NEO 400s
Configuration		
Total # cartridge slots	24	48
# of magazines	2	4
# of slots/magazine	12	12
# of mailslots	0, 1, 12	0, 3
# tape drives	Up to 2	Up to 4
Tape drives supported	LTO4, LTO5	LTO4, LTO5
Capacity		
LTO4	uncompressed: 19.2 TB / compressed: 38.4 TB	uncompressed: 38.4 TB / compressed: 76.8 TB
LTO5	uncompressed: 36.0 TB / compressed: 72.0 TB	uncompressed: 72.0 TB / compressed: 144.0 TB



Highlights NEO 200s

- 24 slots, 1-2 tape drives
- Capacity ranging from 19.2TB to 72TB
- Performance ranging from 288GB/hr. to 2TB/hr.
- 2u form factor
- SCSI, SAS and FC connectivity



NEO 400s

- 48 slots, 1-4 tape drives
- Capacity ranging from 38.4TB to 144TB
- Performance ranging from 288GB/hr. to 4 TB/hr.
- 4u form factor
- SCSI, SAS and FC connectivity
- Redundant power option

Specifications continued

	NEO 200s	NEO 400s
Transfer Rate		
LTO4 (min # drives)	uncompressed: 288 GB/hr. / compressed: 576 GB/hr.	uncompressed: 288 GB/hr. / compressed: 576 GB/hr.
LTO4 (max # drives)	uncompressed: 576 GB/hr. / compressed: 1.2 TB/hr.	uncompressed: 1.2 TB/hr. / compressed: 2.3 TB/hr.
LTO5 (min # drives)	uncompressed: 504 GB/hr. / compressed: 1.0 TB/hr.	uncompressed: 504 GB/hr. / compressed: 1.0 TB/hr.
LTO5 (max # drives)	uncompressed: 1.0 TB/hr. / compressed: 2.0 TB/hr.	uncompressed: 2.0 TB/hr. / compressed: 4.0 TB/hr.
Reliability		
MSBF (mean swaps between failures)	3,000,000	2,000,000
MCBF (mean cycles between failures)	6,000,000	4,000,000
MTBF (mean time between failures)	250,000 hours	100,000 hours
Host Interface		
LTO4	U 320 LVD SCSI, 3Gb SAS, 4Gb FC	U 320 LVD SCSI, 3Gb SAS, 4Gb FC
LTO5	6Gb SAS, 8Gb FC	6Gb SAS, 8Gb FC
Connectors	Mini-SAS, 68-pin HDTs, LC optical FC	Mini-SAS, 68-pin HDTs, LC optical FC
User Interface	touch-screen front panel web-based remote management	touch-screen front panel web-based remote management
Physical Specifications		
dimensions	3.475"(h) x 18.9"(w) x 34.25" (d)	6.9"(h) x 18.9"(w) x 31.7" (d)
packaged dimensions	10"(h) x 23"(w) x 38.5" (d)	13.7"(h) x 23.2"(w) x 31.7"(d)
weight	35 lbs.	47.2 lbs.
packaged weight	50 lbs.	74.7 lbs.
Bar Code Reader	Standard	Standard
Partitioning	Standard	Standard
Power		
Voltage	100-240 VAC	100-240 VAC
Frequency	50 - 60 Hz	50 - 60 Hz
Consumption	55 watts, typical	312 watts, max
Environmental Requirements		
Humidity	15-85% (operating, non-condensing)	20-80% (operating, non-condensing)
Temperature	10°C to 40°C (operating)	10°C to 35°C (operating)
Altitude	-1,000 to 10,000 feet	15,000 feet
Shock	1.5Gs	
Vibration	5-1000-5Hz	
Std. Warranty	The NEO S-Series products are covered by a one-year OverlandCare limited hardware warranty including Next Business Day Advance Parts Replacement support and 24x7 telephone support. NEO S-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of expansion modules must be purchased separately and run concurrently with the primary unit. For full details of all of our service programs, please contact your preferred authorized reseller or contact Overland Storage directly at +1 (858) 571-5555.	The NEO S-Series products are covered by a one-year OverlandCare limited hardware warranty including Next Business Day Advance Parts Replacement support and 24x7 telephone support. NEO S-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of expansion modules must be purchased separately and run concurrently with the primary unit. For full details of all of our service programs, please contact your preferred authorized reseller or contact Overland Storage directly at +1 (858) 571-5555.
Warranty Upgrade Options	1 year onsite, 3 years onsite	1 year onsite, 3 years onsite
Agency Certifications	NTRL (US & Canada); CE, FCC, ICES, VCCI, BSMI	FCC, CISPR, CE, VCCI, BSMI
Included in Std. Configuration	0-drive library, US power cord, Quick Start Guide, rack-mount hardware	Library with (1) tape drive, US power cord, Quick Start Guide, rack-mount hardware
Available Accessories	LTO4 add-on drives, LTO5 add-on drives, LTO4 media, LTO5 media, LTO cleaning cartridges, SCSI host cables, SAS host cables, SAS connectivity kit, LTO4 barcode labels, LTO5 barcode labels, 12-slot magazines	LTO4 add-on drives, LTO5 add-on drives, LTO4 media, LTO5 media, LTO cleaning cartridges, SCSI host cables, SAS host cables, SAS connectivity kit, LTO4 barcode labels, LTO5 barcode labels, 12-slot magazines



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