

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 high capacity backup, archive and disaster recovery.

Versatile

Providing anywhere from 4.8TB to 288TB of data storage capacity, NEOs tape library solutions are designed to meet your data storage requirements and help you 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 securely 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. Removable 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. NEOs 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 rack-friendly 2U, 4U, 6U and 8U form factors. Packing up to 36TB of storage per unit of rack height, NEOs provides extremely dense packaging and minimizes the use of valuable rack space.

Specifications

	NEO 200s	NEO 400s	NEO 600s	NEO 800s
Configuration				
Total # cartridge slots	12, 24	48	72	96
# of magazines	1, 2	4	6	8
# of mailslots	1	3	4	6
# tape drives	1-2	1-4	1-4	1-6
Tape drives supported	LTO3, LTO4, LTO5	LTO4, LTO5	LTO5	LTO5
Capacity (TB)				
LTO4 uncompressed (max.)	9.6-19.2	38.4	n/a	n/a
LTO4 compressed (max.)	19.2-38.4	76.8	n/a	n/a
LTO5 uncompressed (max.)	18-36	72.0	108.0	144.0
LTO5 compressed (max.)	36-72	144.0	216.0	288.0



NEO 200s

- 2U form factor with 12-24 slots, 1-2 tape drives
- Capacity ranging from 4.8TB to 72TB



NEO 400s

- 4U form factor with 48 slots, 1-4 tape drives
- Capacity ranging from 38.4TB to 144TB



NEO 600s

- 6U form factor with 72 slots, 1-4 tape drives
- Capacity ranging from 108TB to 216TB



NEO 800s

- 8U form factor with 96 slots, 1-6 tape drives
- Capacity ranging from 144TB to 288TB

Specifications *continued*

	NEO 200s	NEO 400s	NEO 600s	NEO 800s
Transfer Rate (TB/hr.)				
LTO4 uncompressed (max. # drives)	0.6	1.2	n/a	n/a
LTO4 compressed (max. # drives)	1.2	2.3	n/a	n/a
LTO5 uncompressed (max. # drives)	1.0	2.0	2.0	3.0
LTO5 compressed (max. # drives)	2.0	4.0	4.0	6.0
Reliability				
MSBF (mean swaps between failures)	2,000,000	2,000,000	2,000,000	2,000,000
MTBF (mean time between failures)	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Host Interface				
LTO4	U320 LVD SCSI, 3Gb SAS (12-slot) U320 LVD SCSI, 3Gb SAS, 4Gb FC (24-slot)	U320 LVD SCSI, 3Gb SAS, 4Gb FC	n/a	n/a
LTO5	6Gb SAS (12-slot) 6Gb SAS, 8Gb FC (24-slot)	6Gb SAS, 8Gb FC	6Gb SAS, 8Gb FC	6Gb SAS, 8Gb FC
Connectors	Mini-SAS, 68-pin LDTS (12-slot) Mini-SAS, 68-pin LDTS, LC optical FC (24-slot)	Mini-SAS, 68-pin LDTS, LC optical FC	Mini-SAS, LC optical FC	Mini-SAS, LC optical FC
User Interface	touch-screen front panel web-based remote management	touch-screen front panel web-based remote management	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 31.7"(d) 2u	6.9"(h) x 18.9"(w) x 31.7"(d) 4u	10.4"(h) x 18.9"(w) x 36.7"(d) 6u	13.8"(h) x 18.9"(w) x 36.7"(d) 8u
Weight	32.9 lbs.	47.2 lbs.	94.7 lbs.	104.4 lbs.
Packaged Weight	56.9 lbs.	74.7 lbs.	145.2 lbs.	172.4 lbs.
Bar Code Reader	standard	standard	standard	standard
Power				
Voltage	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Consumption	168 watts, max.	312 watt, max.	312 watt, max.	312 watt, max.
Environmental Requirements				
Humidity	20-80% (operating, non-condensing)	20-80% (operating, non-condensing)	20-80% (operating, non-condensing)	20-80% (operating, non-condensing)
Temperature	10oC to 35oC (operating)	10°C to 35°C (operating)	10°C to 35°C (operating)	10°C to 35°C (operating)
Altitude	15,000 feet	15,000 feet	15,000 feet	15,000 feet
Std. Warranty	NEO S-Series products are covered by a one-year OverlandCare limited hardware warranty including Advance Parts Replacement and 24x7 telephone support. NEO S-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of pxpansion modules must be purchased seperately and run concurrently wit hthe 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.	NEO S-Series products are covered by a one-year OverlandCare limited hardware warranty including Advance Parts Replacement and 24x7 telephone support. NEO S-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of pxpansion modules must be purchased seperately and run concurrently wit hthe 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.	NEO S-Series products are covered by a one-year OverlandCare limited hardware warranty including Advance Parts Replacement and 24x7 telephone support. NEO S-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of pxpansion modules must be purchased seperately and run concurrently wit hthe 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.	NEO S-Series products are covered by a one-year OverlandCare limited hardware warranty including Advance Parts Replacement and 24x7 telephone support. NEO S-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of pxpansion modules must be purchased seperately and run concurrently wit hthe 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	1 year onsite, 3 years onsite	1 year onsite, 3 years onsite
Agency Certifications	FCC, CISPR, CE, VCCI, BSMI	FCC, CISPR, CE, VCCI, BSMI	FCC, CISPR, CE, VCCI, BSMI	FCC, CISPR, CE, VCCI, BSMI
Included in Std. Configuration	Library with (1) tape drive, US power cord, Quick Start Guide, rackmount hardware	Library with (1) tape drive, US power cord, Quick Start Guide, rackmount hardware	Library with (1) tape drive, US power cord, Quick Start Guide, rackmount hardware	Library with (1) tape drive, US power cord, Quick Start Guide, rackmount hardware
Accessories	LTO3/LTO4/LTO5 add-on drives, LTO3/LTO4/LTO5 media, LTO cleaning cartridges, SCSI host cables, SAS host cables, SAS connectivity kit, LTO3/LTO4/LTO5 barcode labels, 12-slot magazines, encryption key management kit, expansion kit (available when scaling with NEO 400s)	LTO4/LTO5 add-on drives, LTO4/LTO5 media, LTO cleaning cartridges, SCSI host cables, SAS host cables, SAS connectivity kit, LTO4/LTO5 barcode labels, 12-slot magazines, encryption key management kit, expansion kit	LTO5 add-on drives, LTO5 media, LTO cleaning cartridges, SCSI host cables, SAS host cables, SAS connectivity kit, LTO5 barcode labels, 12-slot magazines, encryption key management kit	LTO5 add-on drives, LTO5 media, LTO cleaning cartridges, SCSI host cables, SAS host cables, SAS connectivity kit, LTO5 barcode labels, 12-slot magazines, encryption key management kit

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