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.

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.

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 upgradeabilitato 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

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### Tape Drives Supported

- **NEOs StorageLoader:** LTO-8, LTO-7, LTO-6, LTO-5
- **NEOs T24:** LTO-8, LTO-7, LTO-6, LTO-5
- **NEOs T48:** LTO-8, LTO-7, LTO-6, LTO-5

### Capacity (max)

- **NEOs StorageLoader:**

- **NEOs T24:**
  - Uncompressed: LTO-8: 60TB, LTO-7: 36TB, LTO-6: 12TB, LTO-5: 7TB

- **NEOs T48:**
  - Compressed: LTO-8: 240TB, LTO-7: 120TB, LTO-6: 60TB, LTO-5: 36TB

### Transfer Rate (max # drives)

- **NEOs StorageLoader:**
  - Uncompressed: LTO-8: Up to 1TB/hr., LTO-7: Up to 1TB/hr., LTO-6: Up to 1TB/hr., LTO-5: Up to 1TB/hr.
  - Compressed: LTO-8: Up to 2.5TB/hr., LTO-7: Up to 2.5TB/hr., LTO-6: Up to 2.5TB/hr., LTO-5: Up to 2.5TB/hr.

- **NEOs T24:**
  - Uncompressed: LTO-8: Up to 2.7TB/hr., LTO-7: Up to 2.7TB/hr., LTO-6: Up to 2.7TB/hr., LTO-5: Up to 2.7TB/hr.
  - Compressed: LTO-8: Up to 5.4TB/hr., LTO-7: Up to 5.4TB/hr., LTO-6: Up to 5.4TB/hr., LTO-5: Up to 5.4TB/hr.

- **NEOs T48:**
  - Uncompressed: LTO-8: Up to 4.5TB/hr., LTO-7: Up to 4.5TB/hr., LTO-6: Up to 4.5TB/hr., LTO-5: Up to 4.5TB/hr.
  - Compressed: LTO-8: Up to 9.0TB/hr., LTO-7: Up to 9.0TB/hr., LTO-6: Up to 9.0TB/hr., LTO-5: Up to 9.0TB/hr.

### Reliability

- **NEOs StorageLoader:**
  - MSBF (mean swaps between failures): 2,000,000
  - MTBF (mean time between failures): 100,000 hours

- **NEOs T24:**
  - MSBF (mean swaps between failures): 2,000,000
  - MTBF (mean time between failures): 100,000 hours

- **NEOs T48:**
  - MSBF (mean swaps between failures): 2,000,000
  - MTBF (mean time between failures): 100,000 hours

### Host Interface

- **NEOs StorageLoader:** 6Gb SAS, 8Gb FC
- **NEOs T24:** 6Gb SAS, 8Gb FC
- **NEOs T48:** 6Gb SAS, 8Gb FC

### Connectors

- **NEOs StorageLoader:** Mini-SAS, LC Optical FC
- **NEOs T24:** Mini-SAS, LC optical FC
- **NEOs T48:** Mini-SAS, LC optical FC

### User Interface

- **NEOs StorageLoader:** LCD front panel; web-based remote management
- **NEOs T24:** LCD front panel; web-based remote management
- **NEOs T48:** LCD front panel; web-based remote management

### Physical Specifications

- **NEOs StorageLoader:**
  - Dimensions: 1.73”(h) x 18.98”(w) x 31.85”(d); 1u
  - Weight: 25.4 lbs (without rackmount)

- **NEOs T24:**
  - Dimensions: 3.44”(h) x 17.6”(w) x 29.13”(d); 2u
  - Weight: 33 lbs (without rackmount)

- **NEOs T48:**
  - Dimensions: 6.9”(h) x 17.6”(w) x 29.13”(d); 4u
  - Weight: 47 lbs (without rackmount)

### Power Requirements

- **NEOs StorageLoader:**
  - 100 - 240 VAC; 50 - 60 Hz; 80 watts (max)

- **NEOs T24:**
  - 100 - 240 VAC; 50 - 60 Hz; 168 watts (max)

- **NEOs T48:**
  - 100 - 240 VAC; 50 - 60 Hz; 312 watts (max)

### Environmental Requirements

- **NEOs StorageLoader:**
  - Humidity: 10-80% (operating, non-condensing)
  - Temperature: 5 °C to 40 °C (operating)

- **NEOs T24:**
  - Humidity: 20-80% (operating, non-condensing)
  - Temperature: 10 °C to 35 °C (operating)

- **NEOs T48:**
  - Humidity: 20-80% (operating, non-condensing)
  - Temperature: 10 °C to 35 °C (operating)

### Standard Warranty

- **NEOs StorageLoader:** NEO S-Series products are covered by a Bronze One-year Advanced Parts Replacement and 9x5 telephone support warranty.

- **NEOs T24:** 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.

### Upgrade Options

- **3 years advanced parts replacement**
  - 1 year/ 3 years onsite

### Included in Std. Configuration

- Library with (1) tape drive, US & European power cord, Quick Start Guide, rackmount hardware

### Accessories

- **NEOs StorageLoader:** LTO-8/7/6/5 upgrade tape drives, LTO-8/7/6/5 media, LTO cleaning cartridges, SAS connectivity kit, LTO-8/7/6/5 barcode labels, 8-slot magazines

- **NEOs T24:** LTO-8/7/6/5 add-on tape drives, LTO-8/7/6/5 media, LTO cleaning cartridges, SAS connectivity kit, LTO-8/7/6/5 barcode labels, 12-slot magazines

- **NEOs T48:** LTO-8/7/6/5 add-on tape drives, LTO-8/7/6/5 media, LTO cleaning cartridges, SAS connectivity kit, LTO-8/7/6/5 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 or sales@tandbergdata.com