

Simple and Affordable Automated Backup, Recovery and Archive

Overland NEO S T24 12 slots 24 slots

Designed for IT offices with limited space, limited resources and limited budgets, the NEO S family of automated tape libraries delivers simple, affordable unattended backup, disaster recovery and archive. Packaged in a compact 2U form factor, the NEOs T24 delivers the entry-level capability needed by most small and medium sized businesses.

- 12 and 24 slots
- SAS or Fibre Channel Connectivity
- LTO-5 or LTO-6
- Up to 150 TB compressed capacity
- Compact 2U form factor
- Partitioning

Regardless of whether you're a small office, medium-sized business or distributed network environment, NEOs solutions meet a variety of backup and archive needs. While NEOs configurations vary by capacity and feature set, reliability, simplicity and affordability are at the heart of every NEOs model. Available in two models, a 12 cartridge and a 24 cartridge library, the NEOs T24 provides up to 150 TB of backup and archive capacity.

Ease of use

Web-based remote management ensures easy and convenient management of the backup and archive process from anywhere in the world. Removable cartridge magazines ensure easy access to data and reduce media handling costs. Standard barcode readers provide faster inventory times and facilitate tracking of media. User-configurable mail slots provide easy, secure access to individual tape cartridges

Ease of installation

All NEOs libraries are delivered as rack-ready for quick installation into a standard 19" rack. One additional tape drive can be easily and quickly installed in your NEOs T24 library for

improved performance efficiency.

Investment protection

NEOs libraries utilize industry-leading IBM LTO tape drives designed to provide the optimum performance and reliability. Tape drives are easily removed and replaced, providing for easy upgradeability to next-generation tape drive technologies. Available in SAS and Fibre Channel (LTO-6 or LTO-5) configurations, NEOs T24 libraries provide flexible connectivity options for a wide range of environments.

Data Availability

NEOs libraries provide peace of mind with a field proven reliability of more than 2,000,000 robotic movements between failures.

Extensive compatibility

NEOs libraries are compatible with a wide range of backup software applications include StoreWay Calypso and EMC NetWorker.



CHARACTERISTICS

Drive type	LTO-5 half-height SAS or Fibre Channel. LTO-6 SAS or Fibre Channel
------------	--

SYSTEM CONFIGURATION

Magazine capacity (slots)	12
Magazine per module	1-2
Mail Slots per library	1
Maximum drives per library	2 half-height
Maximum Slots per library	12 or 24
Partitioning	Standard (maximum 1 partition per drive)

CAPACITY

Native library capacity	
LTO-5	up to 36 TB
LTO-6	up to 60 TB
Compressed library capacity	
LTO-5	up to 72 TB
LTO-6	up to 150 TB

PERFORMANCE

Native transfer rate	
LTO-5	1 TB/hr
LTO-6	1.2 TB/hr
Compressed transfer rate	
LTO-5	2 TB/hr
LTO-6	2.9 TB/hr

RELIABILITY

MEBF/MSBF (Exchange/Swap)	2,000,000
---------------------------	-----------

CONNECTIVITY

Robotics control interfaces	6 Gb SAS or Fibre Channel 8 Gbps via the drive
Connectors	Mini-SAS or LC optical fibre

MANAGEMENT

Operator panel	Yes
Remote Management	Built-in web site

OPERATION

Avg. cartridge exchange time	45 seconds
Avg. library inventory time	1:20 minutes
Barcode	Standard
Interface	10/100 Ethernet (RJ 45 connector)

OPTIONAL FIBRE CHANNEL SPECIFICATIONS

SNMP trap for faults	Yes
----------------------	-----

PHYSICAL SPECIFICATIONS

Single module rackmount (HxWxD)	8.7 x 44.7 x 73.8 cm
Weight (single module)	14.9 kg (32.9 lbs)
Base Frame	
Form factor	2U

POWER

Voltage	100 to 240 VAC, 2.5 amperes
Frequency	50 to 60 Hz
Power consumption	168 watts, maximum

ENVIRONNEMENTAL CONSTRAINTS

Operating	
Temperature	10°C to 45 °C
Relative humidity	10 to 80 % (non-condensing, operating)
Altitude	3,000 m (10,000 feet)

REGULATORY and SAFETY

Safety	CE and RoHS
Emissions	FCC class A, CISPR; Japanese VCCI-A; Korea class A; Taiwan BSMI Class A

WARRANTY

Standard warranty	12 months
-------------------	-----------

ACCESSORIES INCLUDED

Kit content	Library with drive, US power cord, rackmount hardware, documentation.
Warranty Card	yes