Overland NEO S T48

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. The NEO S T48 packs up to 300 TB of capacity in a 4U form factor and offers advanced capabilities such as partitioning and redundant power.

- 48 slots
- SAS or Fibre Channel Connectivity
- LTO-5 or LTO-6
- Up to 300 TB compressed capacity
- Compact 4U 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. Features such as partitioning capability allow using the NEO S T48 library for multiple applications, enabling the most efficient use of your investment

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. Additional tape drives can be easily and quickly installed in your NEO S T48 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 configurations, NEO S T48 libraries provide flexible connectivity options for a wide range of environments

Data Availability
NEOs libraries provide peace of mind with a fieldd 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

Atos

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	4
Mail Slots per library	3
Maximum drives per library	4 half-height
Maximum Slots per library	48
Partionning	standard (maximum 1 partition per drive)

CAPACITY

Native library capacity	
LTO-5	72 TB
LTO-6	120 TB
Compressed library capacity	
LTO-5	144 TB
LTO-6	300 TB

PERFORMANCE

Native transfer rate	
LTO-5	2 TB/hr
LTO-6	2.3 TB/hr
Compressed transfer rate	
LTO-5	4 TB/hr
LTO-6	5.8 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	2:15 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)	17.5 x 48 x 80.6 cm (6.9" x 18.9" x 31.7")
Weight (single module)	21.4 kg (47.2 lbs)
Base Module	
Form factor	4U

POWER

Voltage	100 to 240 VAC, 2.5 amperes
Frequency	50 to 60 Hz
Power consumption	312 watts, maximum
Redundancy	Yes (optional

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

WARRANTY (Cont'd)

12 monthes

ACCESSORIES INCLUDED

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

(*) assumed compression ratio 2:1 LTO-5 compression ratio 2.5:1 LTO-6