NEO®S Series

Automated Tape Libraries offer effortless backup and archive capabilities

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. 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.

Investment protection

NEO S tape drives are easily removed and replaced, providing for easy upgradability to next-generation tape drive technologies. Available in SCSI, Fibre Channel or SAS configurations, NEO S libraries provide flexible connectivity options for a wide range of environments. With capacities of up to 144TB, NEO S libraries pack the maximum amount of data storage capability into the minimum amount of space. The NEO S Expansion option allows you to combine your NEO 400S library with other NEO S libraries and appear to the host as a single library. This flexibility enables you to leverage your investment by increasing your capacity without obsoleting your original NEO S 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 enable easy access to data and reduce media handling costs. Standard barcode readers reduce inventory times and optimize media management. User-configurable mail slots provide easy, secure access to individual tape cartridges.

Ease of installation

All NEO S libraries are delivered rack-ready for quick installation into a standard 19 inch rack. Tape drives and additional accessories such as redundant power, expansion capability and encryption key management are all quickly and easily installed, reducing administrative overhead and improving efficiency.

Data Availability

Whether it's high-performance data transfer rates, failover features such as redundant power, data security features such as encryption support or reliable field-proven robotic performance, NEO S has what it takes to ensure that your data is there when you need it.

Highlights

NEO 200S

- Capacity ranging from 4.8TB to 72TB

- Performance ranging from 216GB/hr to 2TB/hr[1]

- SCSI, FC, SAS connectivity

- Compact 2U form factor

- Effortless upgrade from 12 to 24 cartridges

- Easily integrates with disk-based backup

NEO 400S

- Capacity ranging from 38.4TB to 144TB

- Performance ranging from 288GB/hr to 4TB/hr

- SCSI, FC, SAS connectivity

- Available in 4U form factor

- Redundant power and partition options

- Expansion option enabling up to 96 cartridges

- Easily integrates with disk-based backup

[1]Assumes compression ratio of 2:1. Actual performance may vary with the application.

Specifications

	NEO 200S		NEO 400S
Form Factor	2u		4u
#of cartridge slots #of magazines #of mail slots	12 1 1	24 2 1	48 4 3
#of tape drives	1-2 HH	1-2 HH 1 FH	1-4 HH 1-2 HH
Tapes Drives Supported	LTO-3 LTO-4 LTO-5	LTO-3 LTO-4 LTO-5	LTO-4 LTO-5
Maximum Capacity* LTO-3 LTO-4 LTO-5	9.6TB 19.2TB 36TB	19.2TB 38.4TB 72TB	76.8TB 144TB
Maximum Data Transfer Rate* LTO-3 LTO-4 LTO-5	432GB/hr 576TB/hr 1TB/hr	864GB/hr 1.2TB/hr 2TB/hr	2.3TB/hr 4TB/hr
Barcode Reader	Standard	Standard	Standard
Partitioning	n/a	Standard	Standard
Interfaces	U320 LVD SCSI (LTO-3, LTO-4) 3Gb SAS (LTO-3, LTO-4) 4GB FC (LTO-4) 6Gb SAS (LTO-5) 8Gb FC(LTO-5)		
Connectors	Mini-SAS, 68-pin HDTS, LC optical Fibre		
Dimensions HxWxD (standard) HxWxD (packaged) Weight (standard) Weight (packaged)	3.4 in h x 18.9 in w x 31.7 in d (8.7 x 48 x 80.6 cm) 10.7 in h x 23.2 in w x 38.9 in d (27.1 x 58.9 x 98.7 cm) 32.9 lb (14.9 kg) 56.9 (25.8 kg)		6.9 in h x 18.9 in w x 31.7 in d (17.5 x 48 x 80.6 cm) 13.7 in h x 23.2 in w x 38.9 in d (34.8 x 58.9 x 98.7 cm) 47.2 lb (21.4 kg) 74.7 (33.9 kg)
Power	168 watts (max)		312 watts (max)
Reliability	2,000,000 MSBF (mcan swaps between failures)		
Warranty	1 year XchangeNOW	1 year onsite	1 year onsite
What's Included	Library with drive, US power cord, warranty information, documentation.		
Available Accessories	LTO-3 media, LTO-4 media, LTO-5 media LTO cleaning cartridges, LTO-3 / LTO-4 / LTO-5 barcode labels, LTO-3 / LTO-4 / LTO-5 add-on tape drives, magazines, SCSI cables, SAS cables, LTO-5 SAS connectivity kit, Encryption Kit, Expansion Kit		
Warranty Options	1 year onsite, 3 year onsite, 7x24x365 warranty coverage		

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