 Overland Storage   TANDBERG DATA

neoseries ®

NEO XL-Series Family

Automated tape libraries deliver the ultimate in flexible, cost-effective backup, archive and disaster recovery

Keeping pace with today's incredible data growth rates is a significant challenge for IT professionals, especially when it comes to protecting that data seamlessly and affordably. The NEO XL-Series addresses the need for midrange and enterprise businesses to do more with less by providing effortless automated backup, disaster recovery and archive by providing flexibility, density, high-performance and affordability to ensure that data is protected faster, smarter, easier and more cost effectively.

Features

NEOxl 80 Highlights

- Capacity ranging from 120TB to 1.2PB

- Data transfer rates ranging from 504 GB/hr. to 16.3TB/hr.

- 6u standard form factor for optimal density & use of valuable rack space

- Scales up to 560 slots and 42 tape drives

- Removable cartridge magazines for easy media access

- Intelligent monitoring management and diagnostics

- Ability to scale capacity and performance as needed

- Redundant power for enhanced data availabilty

- Supports encrytion key management functionality with a broad range of key management servers

- Includes NEO Agility LTFS support for disk-like file drag and drop and archive management

Flexibility –   *Grow into, not out of, your storage*

The scalable design of the NEO XL-Series allows customers to customize their backup and archive solution by starting out as a 6u, 80-slot, single-drive library and scaling to as many as 560 slots and 42 tape drives. The seamless design of NEOxl libraries allows you to add both data cartridges and tape drives as you scale, instead of requiring you to chose between capacity or performance.

Effortless expansion of your NEO XL-Series library occurs by simply connecting additional 6u modules, with a maximum of 7 modules in a standard 42" rack. Installation and configuration of additional modules is simplified with the use of either the web-based remote management interface or the touch-screen operator control panel.

The scalable design of NEOxl libraries not only allows users to easily scale the library into a larger configuration, but it also enables simplified redeployment of individual modules into smaller applications. This flexibility makes NEO XL-Series the most ideal, most cost-effective solution for any midrange or enterprise environment.

Simplicity –   *Minimize administrative overhead*

NEO XL-Series libraries provide convenient, simplified installation, setup and operation with a touch-screen operator control panel or web-based remote management. Removable cartridge magazines facilitate the loading, unloading and off-line storage of data cartridges, reducing media handling costs. Meanwhile, mail slots provide easy, secure access to individual tape cartridges without interrupting library operations, while NEOxl tape drives are easily added, removed or replaced to ensure effortless upgradeability and serviceability.

Affordability –   *Get the best return on your investment*

NEO XL-Series libraries are designed to not only provide an affordable purchase price, but to deliver superior long-term cost of ownership. NEO XL-Series ease-of-use features and enterprise-class reliability ensure administrative, support and downtime costs are virtually eliminated, while the native partitioning functionality provides the ability to utilize a single library in a variety of applications.

Dependability –   *Backup and archive you can count on*

NEO XL-Series libraries provide the reliability required by today's demanding IT environments to ensure that your data is readily accessible and always available. Features such as standard redundant power provide access to your data in the event of a power disruption, while easily replacable tape drives and tape library modules ensure seamless reconfiguration should a support event occur and require replacement.

All NEO XL-Series libraries are covered by a standard one-year, next business day onsite warranty. For customers requiring a higher level of onsite support, customers may upgrade to enhanced next-business day support or 24x7x4 hr response times for the most mission critical operations.

NEO XL-Series tape libraries provide the ultimate in automated data backup, archiving and disaster recovery by delivering the flexibility, affordability and dependability required for midrange and enterprise-class operations.

NEO XL-Series Family

Specifications

Configuration	NEOxl 80			NEOxl Expansion		
# of cartridge slots	80			80		
# of mail slots	Up to 10			Up to 10		
# of tape drives	Up to 6 HH			Up to 6 HH		
Tape drive types supported	LTO-7, LTO-6, LTO-5			LTO-7, LTO-6, LTO-5		
max. # of modules supported	N/A			1 base + 6 expansions		
max. # of cartridge slots*	N/A			560		
max. # of tape drives*	N/A			Up to 42 HH		
Capacity (native/compressed)	**LTO-7**	**LTO-6**	**LTO-5**	**LTO-7**	**LTO-6**	**LTO-5**
max. native capacity per module	480TB	200TB	120TB	480TB	200TB	120TB
max. compressed capacity per module	1.2PB	500TB	240TB	1.2PB	500TB	240TB
max. native capacity - fully scaled	N/A	N/A	N/A	3.4PB	1.4PB	840TB
max. compressed capacity - fully scaled	N/A	N/A	N/A	8.5PB	3.5PB	1.7PB
Performance (native/compressed)						
max. native data transfer rate per module	6.5TB/hr.	3.5TB/hr.	3.0TB/hr.	6.5TB/hr.	3.5TB/hr.	3.0TB/hr.
max. compressed data transfer rate per module	16.2TB/hr.	8.6TB/hr.	6.0TB/hr.	16.3TB/hr.	8.6TB/hr.	6.0TB/hr.
max. native data transfer rate - fully scaled	N/A	N/A	N/A	45.5TB/hr.	24.2TB/hr.	21.2TB/hr.
max. compressed data transfer rate - fully scaled	N/A	N/A	N/A	114TB/hr.	60.5TB/hr.	42.3TB/hr.
Interfaces	6 Gb SAS 8 Gb FC			6 Gb SAS 8 Gb FC		
Dimensions H x W x D	10.6" x 18.7" x 35.1" 268mm x 475mm x 892mm			10.6" x 18.7" x 35.1" 268mm x 475mm x 892mm per module		
Rack height	6u per module			6u per module; 42u max.		
Weight (packaged)	121 lbs. / 54.5 Kg			100 lbs. / 50.0 Kg per module		
Reliability						
MCBF (mean cycles between failures)	>3,000,000			>3,000,000		
MTTR (mean time to repair)	<10 minutes			<10 minutes		
Environmental						
Operating temperature	5° to 40°C			5° to 40°C		
Operating humidity	10% to 80% RH non-condensing			10% to 80% RH non-condensing		
Voltage/Frequency	100 - 240V;50/60 Hz			100 - 240V;50/60 Hz		
Power	350 watts			350 watts		