

NEO[®] XL-Series Automated Tape Libraries

Automated mid-range and
Enterprise data storage

Helping IT managers keep pace with
today's incredible data growth rates



The NEO XL-Series ensures that
data is protected faster, smarter,
easier and more cost-effectively.

Highlights

- Capacity ranging from 200TB to 16.8PB
- Data transfer rates ranging from 576 Gb/hr. to 113TB/hr.
- Rack-friendly form factor for optimal density & use of valuable rack space
- Intelligent monitoring management and diagnostics
- Ability to scale capacity and performance as needed
- Redundant power for enhanced data availability
- Supports encryption key management functionality with a broad range of key management servers
- LTO-6, LTO-7 and LTO-8 SAS or Fibre Channel Add-on Drive options

Features



Flexible – *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 with either a 3U, 40-slot or 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 choose between capacity or performance.

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.

For enterprise customers that need maximum performance and capacity right out of the box, NEOxl is available in a fully-configured 560-slot, 42-drive capable library delivered in a standard datacenter rack.



Convenient – *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 offline 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.



Cost-Effective – *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.



Dependable – *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 redundant power provide access to your data in the event of a power disruption, while easily replaceable tape drives and tape library modules ensure seamless reconfiguration should a support event occur and require replacement.

Configurations

	Form Factor	# of slots	# of drives	LTO-8		LTO-7M		LTO-7		LTO-6	
				Capacity*	Performance*	Capacity*	Performance*	Capacity*	Performance*	Capacity*	Performance*
NEOxl 40											
1 base	3u	40	3	1.2	8.1	0.9	8.1	0.6	8.1	0.2	4.4
1 base + 1 expansion	6u	80	6	2.4	16.2	1.8	16.2	1.2	16.2	0.5	8.6
1 base + 2 expansions	9u	120	9	3.6	24.3	2.7	24.3	1.8	24.3	0.7	12.9
1 base + 3 expansions	12u	160	12	4.8	32.4	3.6	32.4	2.4	32.4	1.0	17.3
1 base + 4 expansions	15u	200	15	6.0	40.5	4.5	40.5	3.0	40.5	1.2	21.6
1 base + 5 expansions	18u	240	18	7.2	48.6	5.4	48.6	3.6	48.6	1.5	25.9
1 base + 6 expansions	21u	280	21	8.4	56.7	6.3	56.7	4.2	56.7	1.7	30.2
NEOxl 80											
1 base	6u	80	6	2.4	16.2	1.8	16.2	1.2	16.2	.5	8.6
1 base + 1 expansion	12u	160	12	4.8	32.4	3.6	32.4	2.4	32.4	1.0	17.3
1 base + 2 expansions	18u	240	18	7.2	48.6	5.4	48.6	3.6	48.6	1.5	25.9
1 base + 3 expansions	24u	320	24	9.6	64.8	7.2	64.8	4.8	64.8	2.0	34.6
1 base + 4 expansions	30u	400	30	12.0	81.0	9.0	81.0	6.0	81.0	2.5	43.2
1 base + 5 expansions	36u	480	36	14.4	97.2	10.8	97.2	7.2	97.2	3.0	51.8
1 base + 6 expansions	42u	560	42	16.8	113.4	12.6	113.4	8.4	113.4	3.5	60.5

* assumes 2.5:1 compression

Specifications



	NEOxl 40	NEOxl 80
# of mail slots (per module)	5	10
Tape drive technologies supported	LTO-8, LTO-7, LTO-6	LTO-8, LTO-7, LTO-6
Interfaces and Connectors	6Gb Mini-SAS, 8Gb LC Optical FC (control path), 1GbE RJ-45 (remote management)	6Gb Mini-SAS, 8Gb LC Optical FC (control path), 1GbE RJ-45 (remote management)
User Interface	LCD front panel and web-based remote management	LCD front panel and web-based remote management
High availability features	Redundant power option	Redundant power standard
# of partitions supported (per module)	Up to 3	Up to 6 (max 20 with expansions)
Form Factor	3u	6u
Dimensions without packaging: HxWxD	5.24 x 18.98 x 34.27 in. (13.3 x 48.2 x 87.3 cm)	10.55 x 18.7 x 35.1 in. (26.8 x 47.5 x 89.2 cm)
Dimensions with packaging: HxWxD	12.6 x 27.09 x 45.59 in. (32 x 68.8 x 115.8 cm)	24.2 x 31.5 x 47.2 in. (61.5 x 80.0 x 120 cm)
Weight with packaging	68 lbs. (31 kg)	157 lbs. (71 kg)
Reliability (Library MCBF)	2,000,000 cycles	2,000,000 cycles
Operating Temperature	50° to 95° F (10° to 35° C) operating	50° to 95° F (10° to 35° C) operating
Operating Humidity	20-80% (operating, non-condensing)	20-80% (operating, non-condensing)
Input Power	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Power Consumption	300 Watts each power supply	300 Watts each power supply
Standard Warranty	Silver 1 Year	Silver 1 Year
Warranty Upgrade Options	Silver and Gold (Next Business Day options) Platinum (24x7x4h Response)	Silver and Gold (Next Business Day options) Platinum (24x7x4h Response)
Included in Standard Configuration	Library with (1) tape drive, US & European power cord, Quick Start Guide, rackmount hardware	Library with (1) tape drive, US & European power cord, Quick Start Guide, rackmount hardware
Accessories	Additional Magazines, Upgrade LTO Tape Drives, LTO Media, Barcodes	Additional Magazines, Upgrade LTO Tape Drives, LTO Media, Barcodes

Sales and support for Overland-Tandberg products and solutions are available in over 90 countries.
Contact us today at sales@overlandtandberg.com