NEOxl Series Tape Libraries

Medium to Enterprise data protection

Protect your digital assets in today's hyper data growth environments and grow into, not out of your storage.

Key Benefits

The NEOxl libraries allows you to add both data cartridges and tape drives as your business grows. Beyond that, the NEOxl 40 allows to mix half height (HH) and full height (FH) LTO drives per 40-slot module.

SAS (HH) or Fibre Channel (FH, HH) options ensure effortless connectivity with widespread server models.

Easily replaceable tape drives and tape library modules ensure seamless reconfiguration should a support event occur and require replacement.

Supports encryption key management functionality with a broad range of key management servers.

Dual Fibre Channel option and redundant power offer enhanced data availability.

Highly flexible

The scalable design of the NEOxl Series allows system administrators 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 with a NEOxl 80 or impressive 640 slots and 48 tape drives with a NEOxl 40*.
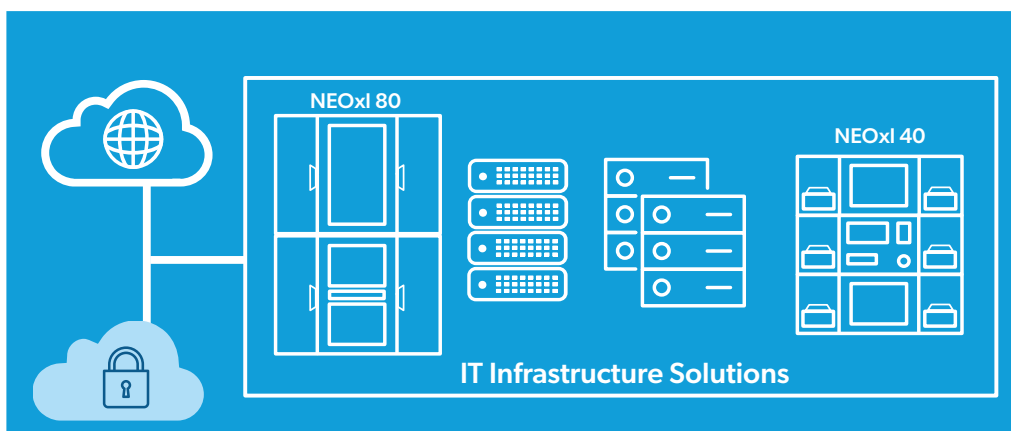
Minimize administrative overhead

The NEOxl Series libraries provide convenient, simplified installation, setup and operation with a touch-screen operator control panel (NEOxl 80) or web-based remote management. Removable cartridge magazines facilitate the loading, unloading and offline storage of data cartridges, reducing media handling costs.

Investment protection

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 NEOxl Series the most ideal, cost-effective solution for any midrange or enterprise environment.

* Upgrades are available for libraries purchased before July 2023.

NEOxl 80

NEOxl 40

IT Infrastructure Solutions

Off-Site Storage

640 SLOTS 48U

40 SLOTS 3U

Up to 28.8 PT *
*with xl40, LTO-9, 2:5:1 compression

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Configurations				LTO-9		LTO-8		LTO-7	
	Form Factor	# of slots	max # of drives	Capacity[1] PB	Performance[2][3] TB/hr.	Capacity[1] PB	Performance[2][3] TB/hr.	Capacity[1] PB	Performance[2] TB/hr.
NEOxl 40									
1 base	3u	40	3 HH/1 FH+1 HH	1.8	8.1 HH / 3.6 FH	1.2	8.1 HH / 3.2 FH	0.6	8.1
1 base + 1 expansion	6u	80	6 HH/2 FH+2 HH	3.6	16.2 HH / 7.2 FH	2.4	16.2 HH /6.5 FH	1.2	16.2
1 base + 2 expansions	9u	120	9 HH / 3 FH+3 HH	5.4	24.3 HH / 10.8 FH	3.6	24.3 HH / 9.7 FH	1.8	24.3
1 base + 3 expansions	12u	160	12 HH / 4 FH+4 HH	7.2	32.4 HH / 14.4 FH	4.8	32.4 HH / 13.0 FH	2.4	32.4
1 base + 4 expansions	15u	200	15 HH / 5 FH+5 HH	9.0	40.5 HH / 18.0 FH	6.0	40.5 HH / 16.2 FH	3.0	40.5
1 base + 5 expansions	18u	240	18 HH / 6 FH+6 HH	10.8	48.6 HH / 21.6 FH	7.2	48.6 HH / 19.4 FH	3.6	48.6
1 base + 6 expansions	21u	280	21 HH / 7 FH+7 HH	12.6	56.7 HH / 25.2 FH	8.4	56.7 HH / 22.7 FH	4.2	56.7
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
1 base + 15 expansions	48u	640	48 HH / 16 FH+16 HH	28.8	129.6 HH / 57.6 FH	19.2	129.6 HH / 51.8 FH	9.6	129.6
NEOxl 80									
1 base	6u	80	6 HH	3.6	16.2	2.4	16.2	1.2	16.2
1 base + 1 expansion	12u	160	12 HH	7.2	32.4	4.8	32.4	2.4	32.4
1 base + 2 expansions	18u	240	18 HH	10.8	48.6	7.2	48.6	3.6	48.6
1 base + 3 expansions	24u	320	24 HH	14.4	64.8	9.6	64.8	4.8	64.8
1 base + 4 expansions	30u	400	30 HH	18	81	12.0	81.0	6.0	81.0
1 base + 5 expansions	36u	480	36 HH	21.6	97.2	14.4	97.2	7.2	97.2
1 base + 6 expansions	42u	560	42 HH	25.2	113.4	16.8	113.4	8.4	113.4

[1] With 2.5:1 compression.
[2] With 2.5:1 compression, calculated is the maximum possible number of HH-drives.
[3] LTO 9 FH: Up to 400 MB/s, based on IT environment. Performance shows value for 1 FH drive per module.

Specifications	NEOxl 40	NEOxl 80
Number of mail slots (per module)	5	10
Tape drive technologies supported	LTO-7 (HH), LTO-8 (HH/FH), LTO-9 (HH/FH)	LTO-7 (HH), LTO-8 (HH), LTO-9 (HH)
Interfaces and connectors	12Gb Mini-SAS HD SFF-8644 (LTO-9 HH), 6Gb Mini-SAS (LTO-7 and LTO-8 HH), 8Gb LC Optical FC (control path), 1GbE RJ-45 (remote management)	
User interface	LCD front panel and web-based remote management	
High availability features	Redundant power option	Redundant power standard
Number of partitions supported	Up to 3 (max 21 with expansions)	Up to 6 (max 20 with expansions)
Form factor (per module)	3u	6u
Dimensions without packaging: HxWxD	5.12 x 18.90 x 34.65 in.	10.43 x 18.90 x 35.31 in.
Dimensions with packaging: HxWxD (excludes pallet and drives)	12.60 x 27.09 x 45.59 in.	18.27 x 23.07 x 39.69 in.
Weight with packaging (excludes pallet and drives)	67.5 lbs.	115 lbs.
Reliability (library MSBF)	2,000,000 cycles	3,000,000 cycles
Operating temperature	HH: 50° to 95° F / FH: 59° to 95° F	50° to 95° F
Operating humidity	20-80% (operating, non-condensing)	
Input power	100-240 VAC, 50/60 Hz	
Power consumption	300 watts each power supply	432 watts each power supply
Standard warranty	3 Years Silver Level	
Warranty upgrade options	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	
Accessories	Additional magazines, power supplies, upgrade LTO tape drives, LTO media, bar codes, KMIP license keys	

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