

Flexible cost effective expandable tape library

Overland NEO XL Series Libraries

The NEO XL-Series addresses the need for midrange and enterprise businesses to do more with less by providing effortless automated backup that combines flexibility, density, high-performance and affordability to ensure that data is protected faster, smarter, easier and more cost effectively.

- Base module : NEO XL60 60 LTO slots, NEO XL80 80 slots
- 1 to 6 drives per module up to 42 drives per library
- up to 500 TB compressed capacity per module up to 3.5PB per library
- Base module and up to 6 Expansion units
- Scales up to 560 slots
- SAS or Fibre Channel
- remote management
- Partitioning

FLEXIBILITY

The scalable design of the NEO XL-Series allows customers to customize their backup and archive solution by starting out as a 6u, 60-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. 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 webbased 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

NEO XL-Series libraries provide convenient, simplified installation, setup and operation. 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

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

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. 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.

INVESTMENT PROTECTION

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.



CHARACTERISTICS

Drive type	Half-height LTO-6 FC or SAS and LTO-5 FC or SAS
------------	---

SYSTEM CONFIGURATION

Magazine capacity (slots)	40
Magazine per module	2
Number of slots per module	
Base module	80 slots NEO XL80 60 slots NEO XL60
Expansion frame	80 slots
Mail Slots per module	up to 10
Number of modules per library	Base module and 6 Expansion units
Number of drives per module	6 for NEO XL80 and Expansion unit 3 for XL60 Base
Number of drives per frame	6
Maximum drives per library	42
Maximum Slots per library	560
Partitioning	Yes

CAPACITY

Native module capacity	NEO XL80 200TB(LTO-6) 120TB(LTO-5) NEO XL60 150TB (LTO-6) 90TB(LTO-5)	
Compressed module capacity	NEO XL80: 500TB(LTO-6) 240TB(LTO-5) NEO XL60: 375TB(LTO-6) 180TB(LTO-5)	
Native library capacity		
LTO-5	NEO XL80 840TB	NEO XL60 630TB
LTO-6	NEO XL80 1.4PB	NEO XL60 1.1PB
Compressed library capacity		
LTO-6	NEO XL80 3.5PB	NEO XL60 3.37PB

PERFORMANCE

Native transfer rate	
LTO-5	NEO XL80: 3.0 TB/h NEO XL60: 1.5 TB/h
LTO-6	NEO XL 80: 3.5 TB/h NEO XL60: 1.7 TB/h
Compressed transfer rate	
LTO-5	NEO XL80: 6.0 TB/h NEO XL60: 3.0 TB/h
LTO-6	NEO XL 80: 8.6 TB/h NEO XL60: 4.3 TB/h
Max initial transfer rate (8 modules)	NEO XL80 24.2TB/h(LTO-6) 21.2TB/h(LTO-5) NEO XL60: 12.1TB/h(LTO-6) 10.6TB/h(LTO-5)
Max compressed transfer rate (8 modules)	NEO XL80 60.5TB/h(LTO-6) 42.3TB/h(LTO-5) NEO XL60: 30.2TB/h(LTO-6) 21.2TB/h(LTO-5)

RELIABILITY

MEBF/MSBF (Exchange/Swap)	MCBF >2 000 000
MTTR (Mean Time To Repair)	<10 minutes

CONNECTIVITY

Robotics control interfaces	SAS or Fibre Channel via the drives
-----------------------------	-------------------------------------

MANAGEMENT

Web interface	10/100 BaseT; browser ready with SNMP event notification
Remote Management	Standard

OPERATION

Avg. cartridge exchange time	<10 seconds
Avg. library inventory time	<2 minutes
Barcode Interface	Standard SAS, Fibre Channel

PHYSICAL SPECIFICATIONS

Standalone model	
Size (HxWxD)	NEO XL80 : 26.8 x 47.5 x 89.2 cm NEO XL60: 26.8 x 47.5 x 89.2 cm
Weight	54.5 kg (121 lbs)
Expansion frame	
Size (HxWxD)	26.8 x 47.5 x 89.2 cm
Weight	50 kg (100 lbs)

POWER

Voltage	100 to 240 VAC
---------	----------------

POWER (Cont'd)

Frequency	50 to 60 Hz
Power consumption	350 watts

ENVIRONMENTAL CONSTRAINTS

Operating	
Temperature	5°C to 40 °C
Relative humidity	10% to 80% (non condensing)

WARRANTY

Standard warranty	12 months
-------------------	-----------