

Neo™ series LXN4000

▶ Neo series

DLT
SDLT

16 x 208
↑
1 x 52

23 TB
↑
2 TB

DISTRIBUTED ROBOTIC ARCHITECTURE™ PROVIDES INDUSTRY'S FIRST SCALABLE DATA STORAGE AUTOMATION WITH HIGH AVAILABILITY, NON-STOP OPERATION

Non-Stop Operation

The Neo series LXN4000 tape library's Distributed Robotic Architecture sets the new standard for high availability in tape automation by which all other libraries will be compared. Incorporating the third generation of Overland's expandable, modular robotics, the Neo series features Live Swap™ tape drives, remote fail-over, redundant power supplies and redundant robotics.

Remote Fail-over

A significant benefit of the Neo series design is the capability to remotely transfer control from the Master module to the Secondary Master. This fail-over can be done either through the front panel or through a standard browser using the Internet and either way, is accomplished without moving any cables. In this manner, the library can be restarted even when one module is powered off or removed. In most cases the backup job can be restarted using one of the other modules.

Performance and Capacity

Each module has 52 slots and up to four drives resulting in a much as 23 TB native capacity and 634 GB/hr native performance in a four module library operating as a single virtual library. Drive technologies supported include DLT8000, SDLT 220 and LTO Ultrium*.

Flexible Connectivity

Connectivity functions are provided by the Virtual Interface Architecture card bays. One of these cPCI cards is used to provide a HVD SCSI interface while another card provides 1 and 2 Gbit/sec Fibre Channel (Loop or Fabric). These functions can be intermixed in one library or one entire multi-module library can be converted using one card subject to bandwidth considerations. Future cards are planned which will support IP based storage environments.

Easy to Use and Service

All operator controls are accessible through a touchscreen graphical user interface. Web TLC is a library management tool embedded in the Neo series. This tool enables the use of a standard browser to view the library and all its functions including firmware downloads, problem diagnosis, remote fail-over and configuration changes, over the internet or over a local net. Drives, power supplies, controllers and interface cards are all easily removed by the user with no tools required.

* Consult Overland Data for availability



- LiveSwap™ tape drives, power supplies, controllers and robotics for non-stop operation
- Optional Fibre Channel interface and server-less backup reduce server workload
- Web TLC provides remote web-based library monitoring, control and fail-over management
- Interactive touch screen display provides intuitive way to view cartridge map, configuration and current status
- Fully removable magazines and cartridge I/O slots ease media swapping



Neo™ series LXN4000



Compatibility To Keep You Connected

- Supports all major operating systems including HP-UX, IBM AIX, Linux, Mac OS, Novell NetWare, SCO UNIX, Sun Solaris, Tru64 UNIX, Windows NT/2000 and more.
- Seamless compatibility with all leading tape application software.

Service You Can Count On

- Covered by Overland's standard three-year factory warranty. Optional on-site service is available.
- Includes exclusive **XchangeNOW®** direct replacement warranty program, providing users a replacement unit free of charge shipped within two business days.
- Includes **GUTS™** (Guaranteed Up Time Service) program that ensures 99% up time and 100% data recovery for ultimate protection.

Protecting Your Storage Investment

- Over 20 years of experience in providing tape storage solutions.
- Engineering excellence with award-winning library robotics design.
- Overland meets the needs of IT professionals in industries worldwide.



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DRIVES AND MEDIA

Drive type	DLT8000	Super DLT
Media type	DLTtape IV	Super DLTtape 1

SYSTEM CONFIGURATION

	<u>DLT8000</u>	<u>Super DLT</u>
Magazine size/slots	13 cartridges	13 cartridges
Magazines per module	4	4
Number of slots per module	52 cartridges	52 cartridges
Mail slots per module	2	2
Number of modules per library*	1 to 4 modules	1 to 4 modules
Number of drives per module	0 to 4 drives	0 to 4 drives
Maximum slots per library	208	208

CAPACITY

Native module capacity	2.08 TB	5.72 TB
Compressed module capacity**	4.16 TB	11.44 TB
Native library capacity	Up to 8.32 TB	Up to 22.88 TB
Compressed library capacity**	Up to 16.64 TB	Up to 45.76 TB

PERFORMANCE

Native transfer rate (1 module, 2 drives)	43.2 GB/hour	79.2 GB/hour
Compressed transfer rate (1 modules, 2 drives)**	86.4 GB/hour	158.4 GB/hour
Native transfer rate (4 modules, 16 drives)	345.6 GB/hour	633.6 GB/hour
Compressed transfer rate (4 modules, 16 drives)**	691.2 GB/hour	1.26 TB/hour

RELIABILITY

Robotics MSBF	>2,000,000 exchanges
Drive MTBF	250,000 hours

CONNECTIVITY

Robotics and drive interface	LVD/SE or HVD Ultra Wide SCSI, Fibre Channel Copper*** or Optical
Web TLC interface	10 BaseT; browser ready with SNMP event notification

OPTIONAL FIBRE CHANNEL SPECIFICATIONS

-Media supported	Copper, Short wave or Long wave using pluggable SFP transceivers
-Extended copy commands	Supports up to 9 concurrent copy streams
-Remote management port	Ethernet 10/100
-Sustained data rate	160 MB/second
-Environment	Fabric, private or public topologies

PHYSICAL DIMENSIONS

Single module, rackmount (HxWxD)	17.5 x 16.7 x 31 inches (44.4 x 42.4 x 78.7 cm) - Tabletop available
Single module weight	105 lb (48 kg)

POWER REQUIREMENTS

Voltage	100 to 240 VAC
Frequency	50 to 60 Hz
Power	449 Watts

AGENCY APPROVALS

Agencies	UL, UL-Canada, TUV PS, CE Marking, FCC and VCCI
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* Library may be configured with a combination of LXN2000 and LXN4000 modules not to exceed 208 slots.

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

***When Copper SFPs are available

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