

Neo™ LXN4000

▶ Neo

SDLT
LTO
DLT

HIGH AVAILABILITY, NON-STOP OPERATION IN A 48 TB LIBRARY AVAILABLE IN INCREMENTS UP TO 12 TB

ENTERPRISE TAPE STORAGE WITH FLEXIBLE EXPANSION ON DEMAND

Non-Stop Operation

The Neo 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 features Live Swap™ tape drives, remote fail-over, redundant power supplies and redundant robotics.

Performance and Capacity

Each module has 52 SuperDLT or 60 LTO Ultrium slots and up to four drives. This gives you as much as 48 TB capacity and up to 1,840 GB/hr performance in a four module library that can operate as a single library. Super DLT 220 and LTO Ultrium are standard with the Neo LXN4000. DLT8000 drives are available as an option.

Flexible Connectivity

Connectivity functions are provided by the Virtual Interface Architecture card bays. One of these cPCI cards is used to provide an 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 will support IP based storage environments.

Easy to Use and Service

All operator controls are accessible through a touchscreen, graphical user interface. Web TLC™, a library management tool embedded in the Neo, 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 special tools required.

Remote Fail-Over

A significant benefit of the Neo 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 many cases, the backup job can be restarted using the remaining modules.



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



All capacities and transfer rates assume a 2:1 data compression ratio.



Neo™ 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.
- On-site service is available in most areas
- Includes exclusive **XchangeNOW**® direct replacement warranty program, providing users replacement components 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 data protection and tape storage solutions.
- Engineering excellence with award-winning library robotics design.
- Overland meets the needs of IT professionals in industries worldwide.



OVERLAND DATA, INC.

8975 Balboa Avenue
San Diego, CA 92123-1599 USA
T: 800-729-8725 or 858-571-5555
F: 858-571-3664
E: sales@overlanddata.com
www.overlanddata.com

OVERLAND DATA, EMEA

Overland House, Ashville Way
Wokingham, Berkshire
RG41 2PL, England
T: +44 (0)118-9898000
F: +44 (0)118-9891897
E: europe@overlanddata.com
www.overlanddata.com

OVERLAND DATA, ASIA PACIFIC OFFICE

30 Robertson Quay, # 02-10
Singapore, 238251
T: (65) 839-3510
F: (65) 738-3008
www.overlanddata.com

DRIVES AND MEDIA

	<u>Super DLT</u>	<u>LTO Ultrium</u>	<u>Optional DLT8000</u>
Drive type	Super DLT	LTO	DLT8000
Media type	Super DLTtape 1	LTO Ultrium 200	DLTtapeIV

SYSTEM CONFIGURATION

Magazine capacity (slots)	13	15	13
Magazines per module	4	4	4
Number of slots per module	52	60	52
Mail slots per module	2	2	2
Number of modules per library*	1 to 4	1 to 4	1 to 4
Number of drives per module	0 to 4	0 to 4	0 to 4
Maximum drives per library	16	16	16
Maximum slots per library	208	240	208

CAPACITY

Native module capacity	5.72 TB	6.0 TB	2.08 TB
Compressed module capacity**	11.44 TB	12.0 TB	4.16 TB
Native library capacity	22.88 TB	24 TB	8.32 TB
Compressed library capacity**	Up to 45.76 TB	Up to 48 TB	Up to 16.64 TB

PERFORMANCE

Native transfer rate (1 module, 2 drives)	79.2 GB/hour	115.2 GB/hour	43.2 GB/hour
Compressed transfer rate (1 modules, 2 drives)**	158.4 GB/hour	230.4 GB/hour	86.4 GB/hour
Native transfer rate (4 modules, 16 drives)	633.6 GB/hour	922 GB/hour	345.6 GB/hour
Compressed transfer rate (4 modules, 16 drives)**	1.26 TB/hour	1.8 TB/hour	691.2 GB/hour

RELIABILITY

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

CONNECTIVITY

Robotics and drive interface	LVD/SE (VHDCI) or HVD Ultra Wide SCSI (HD68), Fibre Channel (LC)
Web TLC interface	10 BaseT; browser ready with SNMP event notification

OPTIONAL FIBRE CHANNEL SPECIFICATIONS

-Media supported	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	98 MB/second (1 Gbit FC), 150 MB/second (2Gbit FC)
-Environment	Fabric, private or public topologies
-SNMP traps for faults	Standard with Fibre Channel option

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	350 Watts typical (w/2 drives)

AGENCY APPROVALS

Agencies	UL, UL-Canada, TUV PS, CE Marking, FCC and VCCI
----------	---

* Library may be configured with a combination of LXN2000 and LXN4000 modules not to exceed 16 drives and 240 slots.

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