

LIBRARYXPRESS™ LXN2000

▶ Neo Series

DLT
SDLT
LTO

16 x 240
↑
1 x 26

24 TB
↑
1 TB

DISTRIBUTED ROBOTIC ARCHITECTURE™ PROVIDES INDUSTRY'S FIRST SCALABLE DATA STORAGE AUTOMATION WITH HIGH AVAILABILITY AND MIXED MEDIA

Exclusive SmartScale Storage®

The LibraryXpress Neo Series tape library's Distributed Robotic Architecture (DRA) 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 may be configured with redundant, hot swap drives, power supplies, robotics and displays. Similar to the separate drive spindles in a RAID disk array, the DRA architecture provides separate robotics for each library module that form a multi-module Neo Series system. Fail-over management can be managed locally or via Web TLC on a remote browser.

Flexible Modular Design Allows Customized Configurations

The 5U-high LXN2000 library module supports up to two drives and up to 30 media slots. Up to eight LXN2000 modules may be configured into one Neo Series library system. Each multi-module library system operates as a single virtual library. Modules may be configured with DLT, Super DLT and/or LTO Ultrium drives allowing you to optimize compatibility, capacity and performance. The Neo Series Compact PCI based Virtual Interface Architecture (VIA™) bay options permit flexible connection to SAN and SAS environments.

Innovative Master Module Fail-Over

A significant benefit of the DRA architecture of the Neo Series is the ability of the robotics to continue to operate during possible fault conditions. In multi-module configurations, one LXN2000 module is configured as the master controller of the system. The master controller module has a "fail-over" mode whereby another LXN2000 module in the system can take over as the standby master controller.

Optimum Flexibility With Instant Access To Data

The Neo Series provides seamless expansion from a single module to a multi-module configuration with up to 16 drives and up to 240 media slots in an industry-standard rack. What's more, the unique integrated XpressChannel™ moves tapes efficiently from module to module, allowing any tape cartridge to be moved to any available drive or media slot in the system. The optional Neo Series internal Fibre Channel interface uses Small Form-Factor Pluggable (SFP) transceiver modules that make it simple to incorporate future interfaces thereby preserving your investment.



- Hot swap tape drives, power supplies, controllers and robotics for high availability
- Native Fibre Channel option and server-less backup reduce server workload
- Web TLC provides web-based library monitoring, control and fail-over management
- Touch screen display provides intuitive way to view cartridge map, configuration and current status





LIBRARYXPRESS LXN2000

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	LTO Ultrium
Media type	DLTtape IV	Super DLTtape 1	LTO Ultrium-1

SYSTEM CONFIGURATION

	<u>DLT8000</u>	<u>Super DLT</u>	<u>LTO Ultrium</u>
Magazine size/slots	13 cartridges	13 cartridges	15 cartridges
Magazines per module	2	2	2
Number of slots per module	26 cartridges	26 cartridges	30 cartridges
Mail slots per module	1	1	1
Number of modules per library	1 to 8 modules	1 to 8 modules	1 to 8 modules
Number of drives per module	0, 1 or 2 drives	0, 1 or 2 drives	0, 1 or 2 drives
Maximum slots per library	208	208	240

CAPACITY

Native module capacity	1.04 TB	2.86 TB	3 TB
Compressed module capacity*	2.08 TB	5.72 TB	6 TB
Native library capacity	Up to 8.32 TB	Up to 22.88 TB	Up to 24 TB
Compressed library capacity*	Up to 16.64 TB	Up to 45.76 TB	Up to 48 TB

PERFORMANCE

Native transfer rate (1 module, 1 drive)	21.6 GB/hour	39.6 GB/hour	57.6 GB/hour
Compressed transfer rate (1 modules, 1 drive)*	43.2 GB/hour	79.2 GB/hour	115.2 GB/hour
Native transfer rate (8 modules, 16 drives)	345.6 GB/hour	633.6 GB/hour	921.6 GB/hour
Compressed transfer rate (8 modules, 16 drives)*	691.2 GB/hour	1.26 TB/hour	1.84 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
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	98 MB/second
-Environment	Fabric, private or public
-SNMP traps for faults	Standard with the Fibre Channel option

PHYSICAL DIMENSIONS

Single module, rackmount (HxWxD)	8.75 x 16.7 x 27 inches (22.2 x 42.4 x 68.5 cm)
Single module weight	66 lb (30 kg)

POWER REQUIREMENTS

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

ENVIRONMENT

Operating temperature (media)	10 to 40° C; 5° to 104° F
Relative humidity (media)	20 to 80%, non-condensing

AGENCY APPROVALS

Agencies	UL, UL-Canada, TUV PS, CE Marking, FCC and VCCI
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* Assumes compression ratio of 2:1. Actual performance may vary with the application.

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