

# NEO SERIES™ 2000

NOW WITH  
LTO-3!



The NEO 2000 is designed to address today's most pressing midrange data storage challenges: short backup windows, tight budgets, expanding data, limited IT resources, costly downtime, the need to consolidate storage and potentially complex networking environments. Designed for the diversity of departmental networks & SANs, the NEO 2000 is always there to give you a simple, affordable platform to grow on.

#### MINIMIZE COSTLY DOWNTIME

The NEO 2000 tape library sets the standard for high availability by which all other libraries should be compared. Features such as NEO's LiveSwap™ tape drives and removable power supplies allow removal/replacement without interrupting the SCSI bus and/or power source, assuring that your backup/restore system is providing non-stop operation. NEO's remote fail-over capability lets you remotely transfer control from one module to another and make sure your backup/restore is up and running as quickly and seamlessly as possible.

#### PROTECT YOUR INVESTMENT

The NEO 2000 is designed to help you keep pace with your rapidly expanding data. Each module has 26 (SDLT) or 30 (LTO) cartridge slots and up to 2 tape drives, providing up to 24 TB\* of capacity and over 1 TB/hr.\* of performance. The NEO 2000 lets you spend for the present but plan for the future. There's no need to throw out the old and bring in the new when your capacity or performance needs change... simply add NEO 2000 modules to your existing module, and easily increase your capacity and performance by up to eight times, protecting your original library investment and increasing your capacity and performance as needed.

#### ACCOMMODATE COMPLEX NETWORKING ENVIRONMENTS

The NEO 2000 can easily backup and restore a single NT server via SCSI, multiple local servers running UNIX or a worldwide SAN with a complex combination of servers, operating systems and interfaces. The NEO 2000's VIA™ (Virtual Interface Architecture) interface cards are available for Fibre Channel, iSCSI or NDMP, allowing your NEO 2000 library to be accessed by a variety of host systems in a method that most efficiently meets the needs of your potentially complex networking applications.

#### MAXIMIZE USE OF VALUABLE RESOURCES

Your resources consist of time, dollars and people. The NEO 2000 maximizes the use of those resources by providing quick and reliable backups/restores with a minimal amount of effort, at an affordable price. Features such as WebTLC™, which allows authorized personnel to remotely manage your NEO 2000 from anywhere in the world, make the the NEO 2000 easy to use and operate. NEO's LPO™ (Library Partitioning Option) feature provides multi-server access, allowing you to allocate the cost of the library across the entire data center and provide convenient operation. Components such as drives, power supplies, controllers and interface cards are easily removed, reducing support and service costs. NEO's compact size provides superior density and minimizes the use of costly data center space. The NEO 2000 combines ease of use features, reliable trouble-free operation and affordability to provide you with the lowest possible cost of ownership.

#### COMPATIBILITY TO KEEP YOU CONNECTED

The NEO 2000 is supported on 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. For the most current information on compatibility, visit our website at [www.overlandstorage.com](http://www.overlandstorage.com).

#### SERVICE YOU CAN COUNT ON

The NEO 2000's 1 year on-site maintenance warranty is supported by a 2nd and 3rd year XchangeNOW program on all field replaceable components. Additional on-site service options are available in most areas.

#### EXPERIENCE YOU CAN TRUST

With over 23 years of experience in data protection and tape storage solutions, Overland meets the needs of IT professionals worldwide by providing engineering excellence, award-winning library robotics design, a first-class sales/support organization and entire families of solutions designed to meet a variety of data protection needs.

- Up to 30 cartridges (24 TB)
- Up to 2 drives (1 TB/hr.)
- Expansion on demand
- LVD, Fibre Channel & Gigabit Ethernet Interfaces
- Remote management
- Partitioning
- LTO or SDLT



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<b>DRIVES AND MEDIA</b>					
Drive type	Super DLT 320	SDLT 600	LTO-2	LTO-2	LTO-3
Media type	Super DLTape I	Super DLTape II	Ultrium 1	Ultrium 2	Ultrium 3
<b>LIBRARY CONFIGURATION</b>					
Number of cartridges	26	26	30	30	30
Magazines per module	2	2	2	2	2
Slots per magazine	13	13	15	15	15
Number of drives per module	1-2	1-2	1-2	1-2	1-2
Mail slots per module	1	1	1	1	1
Maximum number of modules	8	8	8	8	8
Maximum number of cartridges	208	208	240	240	240
Maximum number of drives	16	16	16	16	16
<b>CAPACITY</b>					
Native capacity per module TB	4.2	7.8	3.0	6.0	12.0
Compressed capacity per module TB*	8.3	15.6	6.0	12.0	24.0
Maximum native capacity (8 modules) TB	33.3	62.4	24.0	48.0	96.0
Maximum compressed capacity (8 modules) TB*	66.6	124.8	48.0	96.0	192.0
<b>PERFORMANCE</b>					
Native transfer rate per module (1 drive)	57.6GB/hour	129.6 GB/hour	54 GB/hour	108 GB/hour	288 GB/hour
Native transfer rate per module (2 drives)	115.2 GB/hour	259.2 GB/hour	108 GB/hour	216 GB/hour	576 GB/hour
Compressed transfer rate per module* (1 drive)	115.2 GB/hour	259.2 GB/hour	108 GB/hour	216 GB/hour	576 GB/hour
Compressed transfer rate per module* (2 drives)	230.4 GB/hour	518.4 GB/hour	216 GB/hour	432 GB/hour	1.2 TB/hour
Maximum native transfer rate (8 modules)	921.6 GB/hour	2073.6 GB/hour	864 GB/hour	1728 GB/hour	4.6 TB/hour
Maximum compressed transfer rate (8 modules)*	1843.2 GB/hour	4147.2 GB/hour	1728 GB/hour	3456 GB/hour	9.2 TB/hour
<b>ACCESSORIES INCLUDED</b>					
May vary by configuration	SCSI cable, SCSI terminator, cartridge magazine, data cartridge, cleaning cartridge, (LTO models only) US power cord				
<b>RELIABILITY</b>					
Robotics MSBF (mean swaps between failures)	>2,000,000				
Drive MTBF (mean time between failures)	250,000 hours				
Library MTR (mean time to repair)	<10 minutes				
<b>OPERATION</b>					
Avg. cartridge exchange time	<10 seconds				
Avg. library inventory time	<2 minutes				
WebTLC™ remote management	Standard				
Barcode reader	Standard				
Library partitioning	Optional				
Interface	LVD SCSI (VHDCI) standard Fibre Channel, iSCSI, NDMP				
<b>PHYSICAL</b>					
Rack mount (single module)	8.75 inches (h) X 16.7 inches (w) X 31.9 inches (d) 22.2cm (h) X 42.4cm (w) X 81cm (d)				
Weight (single module)	66 pounds, 30kg				
<b>POWER</b>					
Voltage	100 to 240 VAC				
Frequency	50 to 60 Hz				
Power	597 BTU 192 watts nominal (w/2 drives) 240 watts maximum (w/2 drives)				
<b>CERTIFICATIONS</b>					
Safety	UL, CUL, CE, TUV				
Emissions	FCC, ICES, CE, VCCI, BSMI				

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

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