

NEO® E Series

Automated Tape Libraries offer effortless backup and archive capabilities

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. Designed to address the most challenging midrange data storage requirements, NEO E Series libraries deliver embedded capabilities to ensure your backups are faster, smarter, easier and more affordable.

Technology leadership

Designed for the simplest to the most complex data centers, NEO E Series libraries provide industry-leading embedded connectivity to ensure seamless integration into your network infrastructures. Overland patented technologies, such as library partitioning, enable the efficient backup and archive of data across various applications throughout your entire data center.

Superior reliability

Whether it's the simplified design, superior processing technology, high-performance robotic handling, redundant power, or redundant robotics, NEO E Series libraries deliver industry-leading reliability that is second to none, ensuring that your data is readily accessible and always available.

Flexibility

NEO E delivers the flexibility needed to accommodate ever-changing data storage requirements. The modular design allows you to scale both 30-cartridge and 60-cartridge modules together in an almost limitless combination of capacity and performance. Scaled units can also be de-coupled and redeployed for smaller data protection needs.

Ease of use

NEO E libraries provide simplified installation, setup and operation utilizing convenient touch-screen user interfaces, web-based remote management and direct-connect interfaces. Media handling is simplified with the use of configurable mail slots and removable cartridge magazines. All NEO E Series useability features are aimed at minimizing the use of valuable time, money and personnel.

Embedded intelligence

Making your backups "smarter" means you spend less time managing your data, ultimately making your backup process more reliable. NEO E Series embedded diagnostics provide proactive remote monitoring capability, alerting you to potential failures in the backup process.



NEO 2000e Highlights

- 30 slots, 1–2 tape drives
- Capacity ranging from 24TB to 188TB
- Performance ranging from 432GB/hr. to 2.9TB/hr.
- 5U form factor
- Scales up to 240 slots and 16 drives
- Industry-leading reliability



NEO 4000e Highlights

- 60 slots, 1–4 drives
- Capacity ranging from 48TB to 375TB
- Performances ranging from 432GB/hr - 5.8TB/hr.
- 10u form factor
- Scales up to 240 slots and 16 drives
- Industry-leading reliability

¹In multi-module environments

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

Specifications

Library Configuration	NEO 2000e		NEO 4000e	
#of cartridge slots	30		60	
#of magazines	2		4	
#of slots per magazine	15		15	
#of mail slots (per module)	0, 1 or 15		0, 1, 2, 15 or 30	
#of modules supported	Up to 8		Up to 4	
#of tape drives (per module)	Up to 2		Up to 4	
Drive types supported	LTO-6, LTO-5		LTO-6, LTO-5	
Capacity (per module)	LTO-6	LTO-5	LTO-6	LTO-5
Maximum native capacity	75TB	45TB	150TB	90TB
Maximum compressed capacity	187.5TB	90TB	375TB	180TB
Performance (per module)				
Maximum native data transfer rate	1.2TB/hr	1TB/hr	2.3TB/hr	2TB/hr
Maximum compressed data transfer rate	2.9TB/hr	2TB/hr	5.8TB/hr	4TB/hr
Interfaces	6Gb SAS 8Gb FC	6Gb SAS 8Gb FC	6Gb SAS 8Gb FC	6Gb SAS 8Gb FC
Dimensions				
HxWxD	8.75 in x 16.7 in x 31 in (22.25 cm x 42.42 cm x 78.74 cm)		17.5 in x 16.7 in x 31 in (22.25 cm x 42.42 cm x 78.74 cm)	
Rack height	5u		10u	
Weight (standard)	66 lbs/ 30 kg (with 2 drives)		171 lbs/78 kg (with 4 drives)	
Weight (packaged)	99 lbs/45 kg (with 2 drives)		199 lbs/90 kg (with 4 drives)	
Reliability				
MCBF (mean cycles between failures)	>4,000,000 cycles			
MTR (mean time to repair)	< 10 minutes			
Environmental				
Temperature	-40°C to 60°C		-40°C to 60°C	
Humidity	5-95%		5-95%	
Voltage	100-240 VAC		100-240 VAC	
Frequency	50-60 Hz		50-60 Hz	
Power	192 watts		344 watts	
Agency Approvals	UL, CUL, CE, TUV			
Safety	FCC, ICES, CE, VCCI, BSMI			
Emissions	CUL (Canada), CE (Europe), GS (Germany), VCCI (Japan), BSMI (Taiwan), RoHS, WEE			
International compliance				
Accessories Included	US power cord, serial cable, barcode labels (data and cleaning cartridge), user documentation, warranty information(SCSI terminator included in SCSI configurations)			
Optional Accessories	LTO-6 media, LTO-5 media, LTO-4 media, Partitioning upgrade, expansion modules, LTO SAS connectivity kit			
Standard Warranty	The NEO E-Series products are covered by a one-year OverlandCare limited hardware warranty including either Advanced Parts Replacement or Onsite support, and 24x7 telephone support. NEO E-Series systems are eligible for enhanced maintenance options to augment the standard limited warranty. Support coverage of all expansion modules must be purchased separately and run concurrently with the primary unit. For full details of all of our service programs, please contact your preferred authorized reseller or contact Overland Storage directly at +1 (858) 571-5555.			

Sales Offices

North America

125 S. Market Street
San Jose, CA 95113
USA
Tel: (858) 571-5555

Asia Pacific

8 Wilkie road #03-08
Wilkie Edge
Singapore 228095
Tel: +65 62811 073

France

18 Rue Jean Rostand
Orsay
91400, France
Tel: +33 1 81 91 73 40

Germany

Wilhelm Wagenfeld Straße 28
80807 München
Germany
Tel: +49 89 329 890 800

United Kingdom

Ashville Way
Wokingham, Berkshire
RG41 2PL England
Tel: +44 1 189 898 000



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