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 SCSI, SAS, Fibre Channel or iSCSI-based 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.

Highlights

NEO 2000 E

- Redundant robotics for improved data availability[1]

- Supports AES 256-bit encryption

- Compatible with NEO 4000 E modules

- Easily integrates with disk-based backup

- Capacity ranging from 12TB to 96TB per module[2]

NEO 4000 E

- Redundant robotics for improved data availability[1]

- Supports AES 256-bit encryption

- Compatible with NEO 2000 E modules

- Easily integrates with disk-based backup

- Capacity ranging from 24TB to 192TB per module[2]

[1]In multi-module environments
[2]Assumes compression ratio of 2:1. Actual performance may vary with the application.

Specifications

Library Configuration	NEO 2000 E			NEO 4000 E		
#of cartridge slots #of magazines #of slots per magazine #of mail slots (per module) #of modules supported #of tape drives (per module) Drive types supported	30 2 15 0, 1 or 15 Up to 8 Up to 2 LTO-5, LTO-4, LTO-3			60 4 15 0, 1, 2, 15 or 30 Up to 4 Up to 4 LTO-5, LTO-4, LTO-3		
Capacity(per module) Maximum native capacity Maximum compressed capacity	LTO-5 45TB 90TB	LTO4 24TB 48TB	LTO-3 12TB 24TB	LTO-5 90TB 180TB	LTO-4 48TB 96TB	LTO-3 24TB 48TB
Performance (per module) Maximum native data transfer rate Maximum compressed data transfer rate	1TB/hr 2TB/hr	864GB/hr 1.7TB	1GB/hr 1.2TB/hr	2TB/hr 4TB/hr	1.7TB/hr 3.4TB/hr	1.2TB/hr 2.4TB/hr
Interfaces	6Gb SAS 8Gb FC	3Gb SAS 4Gb FC U320 SCSI	3Gb SAS 2Gb FC U320 SCSI	6Gb SAS 8Gb FC	3Gb SAS 4Gb FC U320 SCSI	3Gb SAS 2Gb FC U320 SCSI
Dimensions HxWxD Rack height Weight (standard) Weight (packaged)	8.75 in x 16.7 in x 31 in (22.25 cm x 42.42 cm x 78.74 cm) 5u 66 lbs/ 30 kg (with 2 drives) 99 lbs/45 kg (with 2 drives)			8.75 in x 16.7 in x 31 in (22.25 cm x 42.42 cm x 78.74 cm) 10u 171 lbs/78 kg (with 4 drives) 199 lbs/90 kg (with 4 drives)		
Reliability MCBF (mean cycles between failures) MTTR (mean time to repair)	>4,000,000 cycles < 10 minutes					
Environmental Temperature Humidity Voltage Frequency Power	-40°C to 60°C 5-95% 100-240 VAC 50-60 Hz 192 watts			-40°C to 60°C 5-95% 100-240 VAC 50-60 Hz 344 watts		
Agency Approvals Safety Emissions International compliance	UL, CUL, CE, TUV FCC, ICES, CE, VCCI, BSMI CUL (Canada), CE (Europe), GS (Germany), VCCI (Japan), BSMI (Taiwan), RoHS, WEE					
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-5 media, LTO-4 media, LTO-3 media, Partitioning upgrade, expansion modules, LTO-5 SAS connectivity kit					
Warranty	1 year onsite; warranty extensions and upgrades available					

powered by **hp** invent

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