



NEO 4000E

# NEO® E-SERIES

The NEO® E-SERIES family of automated tape libraries takes the reliability, serviceability and data availability of the renowned NEO SERIES one step further. Designed to address the most challenging midrange data storage requirements, the NEO E-SERIES delivers embedded capabilities to ensure your backups are faster, smarter, easier and more affordable.

## Technology Leadership

As new server and operating system technologies come to market, making sure that your tape backup and archive solution is compatible with those technologies will simplify your data storage process. The NEO E-SERIES offers embedded SCSI, FC or SAS (available Q2 '09) connectivity, enabling your tape backup and archive solutions to easily drop-in to your network infrastructure and guarantees easy, affordable connectivity with future-generation interface technologies. NEO E-SERIES, which is Windows 2008 enabled, also provides the capability to integrate with new and improved operating systems.

## Investment Protection

With new features such as embedded partitioning capability, support for LTO HH tape drive technologies and direct-connect interfaces, not only are your initial expenditures minimized but your NEO library has the ability to add new features over time, protecting your long-term investment. Improvements in serviceability also protect your investment by minimizing service costs and downtime.

## Superior Reliability

With reduced part counts, updated processor technology, more efficient high-performance robotic handling, redundant power options and redundant robotics in a multi-module environment, NEO E-SERIES takes the reliability you've come to count on in the NEO product line one step further, ensuring that your data is readily accessible.

## Flexibility

NEO E-SERIES 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 "broken apart" and redeployed for smaller data protection needs. More flexible mail slot configurations allow you to customize off-line cartridge access based on your data protection requirements.

## Ease of Use

NEO E-SERIES provides simplified installation, setup and operation—utilizing its convenient touch-screen user interface, remote management tool and direct-connect interface capabilities—minimizing the use of valuable time, money and personnel.

## Embedded Intelligence

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

## Integration With Disk

The ideal end-to-end data protection strategy involves a combination of disk-based and tape-based backup. NEO E-SERIES not only integrates easily with REO, ULTAMUS RAID and Snap Server disk-based solutions, but also with other disk-based products, ensuring you are able to meet recovery time and recovery point objectives in both SAN and NAS environments.

## Compatibility

NEO E-SERIES is supported on major operating systems and third party backup software applications. For the most current information on compatibility, visit our website at [www.overlandstorage.com](http://www.overlandstorage.com).

Overland Storage provides affordable end-to-end data protection solutions that are engineered to store smarter, protect faster and extend anywhere—across networked storage, media types, and multi-site environments. Overland Storage products include award-winning NEO SERIES® and ARCvault® tape libraries, REO SERIES® disk-based backup and recovery appliances with VTL capabilities, Snap Server® NAS appliances, and ULTAMUS® RAID high-performance, high-density storage.



## NEO® 2000E

- Capacity ranging from 12 to 384 TB
- Performance ranging from 432 GB/hr to 13.8 TB/hr
- SCSI, FC, SAS and iSCSI connectivity
- Scalable, multi-module design
- Easily integrated with disk-based backup
- One year onsite warranty



## NEO® 4000E

- Capacity ranging from 24 to 384 TB
- Performance ranging from 432 GB/hr to 13.8 TB/hr
- SCSI, FC, SAS and iSCSI connectivity
- Redundant power
- Scalable, multi-module design
- Easily integrated with disk-based backup
- One year onsite warranty



**SPECIFICATIONS**

**NEO 2000E**

**NEO 4000E**

	LTO-4 FH	LTO-4 HH	LTO-3 FH	LTO-3 HH	LTO-4 FH	LTO-4 HH	LTO-3 FH	LTO-3 HH
<b>DRIVES AND MEDIA</b> Drive type (per module)								
<b>LIBRARY CONFIGURATION</b> Number of cartridges (per module) Magazines (per module) Slots per magazine Number of drives (per module) Number of mail slots (per module)	30 2 15 1 or 2 0, 1 or 15	30 2 15 1 or 2 0, 1 or 15	30 2 15 1 or 2 0, 1 or 15	30 2 15 1 or 2 0, 1 or 15	60 4 15 1 to 4 0, 1, 2, 15 or 30	60 4 15 1 to 4 0, 1, 2, 15 or 30	60 4 15 1 to 4 0, 1, 2, 15 or 30	60 4 15 1 to 4 0, 1, 2, 15 or 30
<b>CAPACITY</b> Maximum Capacity (per module)	48 TB	48 TB	24 TB	24 TB	96 TB	96 TB	48 TB	48 TB
<b>PERFORMANCE</b> Maximum Performance (per module)	1.7 TB/hour	1.2 TB/hour	1.2 TB/hour	864 GB/hour	3.5 TB/hour	2.3 TB/hour	2.3 TB/hour	1.7 TB/hour
<b>DIMENSIONS</b> Rack mount Rack usage Weight (standard) Weight (packaged)	8.75"h x 16.7"w x 31"d 5u 66 lbs. 99 lbs.				17.5"h x 16.7"w x 31"d 10u 171 lbs. 199 lbs.			
<b>RELIABILITY</b> MCBF MTTR	>4,000,000 cycles <10 minutes				>4,000,000 cycles <10 minutes			
<b>HOST INTERFACES</b> (SAS available Q2 '09)	U320 SCSI, 3Gb SAS, 4Gb FC	U320 SCSI, 3Gb SAS	U320 SCSI, 2Gb FC	U320 SCSI, 3Gb SAS	U320 SCSI, 3Gb SAS, 4Gb FC	U320 SCSI, 3Gb SAS	U320 SCSI, 2Gb FC	U320 SCSI, 3Gb SAS
	Optional iSCSI				Optional iSCSI			
<b>ENVIRONMENTAL</b> Temperature Humidity Voltage Frequency Power	-40°C to 60°C 5-95% 100-240 VAC 50-60Hz 192 watts				-40°C to 60°C 5-95% 100-240 VAC 50-60Hz 344 watts			
<b>AGENCY APPROVALS</b> Safety Emissions International compliance	UL, CUL, CE, TUV FCC, ICES, CE, VCCI, BSMI CUL (Canada), CE (Europe), GS (Germany), VCCI (Japan), BSMI (Taiwan), RoHS, WEEE				UL, CUL, CE, TUV FCC, ICES, CE, VCCI, BSMI CUL (Canada), CE (Europe), GS (Germany), VCCI (Japan), BSMI (Taiwan), RoHS, WEEE			
<b>ACCESSORIES INCLUDED</b>	SCSI terminator (in SCSI configurations only), US power cord, serial, cable, data cartridge barcode labels, cleaning cartridge barcode labels, user documentation and warranty information SAS configurations require an HP SC44Gc HBA and a 3m SAS SFF-8470 host/library cable (must be obtained seperately).				SCSI terminator (in SCSI configurations only), US power cord, serial, cable, data cartridge barcode labels, cleaning cartridge barcode labels, user documentation and warranty information SAS configurations require an HP SC44Gc HBA and a 3m SAS SFF-8470 host/library cable (must be obtained seperately).			
<b>OPTIONAL ACCESSORIES</b>	LTO-3 media LTO-4 media Partitioning upgrade Expansion modules SCSI host/library cable				LTO-3 media LTO-4 media Partitioning upgrade Expansion modules SCSI host/library cable			
<b>WARRANTY</b>	One year onsite; warranty extensions and upgrades available				One year onsite; warranty extensions and upgrades available			

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



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