Besides its people, a company's data is one of its most valuable assets. Keeping that data securely protected 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. The Overland Storage NEO 8000e provides the reliability, data availability and manageability features needed to address the backup and archive needs of the most demanding enterprise data centers.

Superior Cost of Ownership

Embedded connectivity capability ensures that your NEO 8000e not only fits seamlessly into virtually any environment but also adapts to any changes in that environment, protecting your initial library investment for the long-haul. Features such as integrated partitioning let you multi-task with your NEO 8000e library, allocating each partition to a separate backup task or environment without requiring additional costly hardware. Consuming less power than other enterprise-class tape libraries, NEO 8000e improves energy efficiency by reducing cooling and power requirements. Designed for enterprise environments but delivering midrange simplicity, NEO 8000e's simplified configuration and installation approach results in lower installation, maintenance and service costs, making NEO 8000e a wise storage investment.

Intelligent Management

The NEO 8000e conveniently and intelligently manages the backup/archive process from anywhere in the world through a web-based remote management interface, reducing administrative costs and improving data availability. Features such as email alerts proactively identify potential issues with your backup/archive operation and provide diagnostic information used to isolate potential failures, reducing service costs and downtime associated with problem resolution.

High Data Availability

Whether it's robotic failover, redundant hot-swap power, high-performance tape drive management or advanced diagnostics capabilities, NEO 8000e eliminates single points of failure that can result in costly downtime. Unlike other midrange and enterprise libraries, NEO 8000e provides redundant robotics in scaled environments, ensuring that you have access to your data in the event of a robotic failure. Designed to meet the reliability, availability and serviceability needs of backup and archive operations in high-performance, high duty cycle data center environments, NEO 8000e provides a robust, reliable platform that ensures your data is automatically safe and always available.

Flexibility

NEO 8000e's innovative multi-module design lets you effortlessly customize your backup and archive solution as your data storage needs change. Starting with 100 cartridge slots and adding capacity in 80-slot increments lets you seamlessly add storage as you need it but does not require additional hardware or disruptive reconfiguration. Tape drive modules can also be added for increased performance capability. Once you've filled up your base NEO 8000e, simply add an additional NEO 8000e module for increased storage capacity and performance.

Highlights

- Backup/archive up to 3PB of storage capacity

- Transfer data at speeds of up to 24TB/hr

- Protect your investment with a scalable architecture

- Ensure data availability with redundancy features

- Improve your efficiency and increase reliability with intelligent remote management

- Reduce your cost of ownership with energy-and space-saving features

Specifications

Library Configuration	Base Configuration		Maximum Configuration		Scaled Configuration	
Number of cartridges	100		500		1000	
Number of cartridge drawers	1		6		12	
Number of slots per drawer	80		80		80	
Number of fixed cartridge cells	20		20		40	
Number of mail slots	15		15		30	
Maximum number of tape drives supported	12		12		24	
Drive types supported	LTO-5, LTO-4		LTO-5, LTO-4		LTO-5, LTO-4	
Capacity	LTO-5	LTO-4	LTO-5	LTO-4	LTO-5	LTO-4
Maximum native capacity	150TB	80TB	750TB	400TB	1.5PB	800PB
Maximum compressed capacity	300TB	160TB	1.5PB	800TB	3.0PB	1.6PB
Performance						
Maximum native data transfer rate	6TB/hr	5.2TB/hr	6TB/hr	5.2TB/hr	12TB/hr	10.4TB/hr
Maximum compressed data transfer rate	12TB/hr	10.4TB/hr	12TB/hr	10.4TB/hr	24TB/hr	20.8TB/hr
Interfaces	8Gb FC	4Gb FC	8Gb FC	4Gb FC	8Gb FC	4Gb FC
	6Gb SAS	U320 LVD SCSI	6Gb SAS	U320 LVD SCSI	6Gb SAS	U320 LVD SCSI
Dimensions						
HxWxD	76" x 24" x 41.5" (193 x 61 x 105 cm)		76" x 24" x 41.5" (193 x 61 x 105 cm)		76" x 48" x 41.5" (193 x 122 x 105 cm)	
Weight	705 lb (320 kg)		758 lb (344 kg)		1,516 lb (688 kg)	

Reliability	
MCBF (mean cycles between failures)	> 4,000,000 cycles
MTTR (mean time to repair)	< 15 minutes
Operation	
Mount time	< 20 seconds
Dismount time	< 20 seconds
Inventory time (80 cartridges)	< 25 seconds
Inventory time (500 cartridges)	< 5 minutes
Environmental	
Operating Temperature	0ºC to 50ºC
Operating Humidity	15% to 85%
Voltage	100-240 VAC
Frequency	47-63 Hz
Power (min)	484 watts
BTU/hr	1653
Agency Approvals	
Safety	NRTL (US & Canada), CE, TUV GS
Emissions	FCC-A, ICES, CE, VCCI, BSMI,
International compliance	RoHS, WEE
Accessories Included	US power cord, serial cable, documentation (SCSI terminator included with SCSI configurations)
Optional Accessories	LTO-5 tape drives, LTO-4 tape drives, LTO-5 media, LTO-4 media, LTO cleaning cartridges, library/host SCSI cables, additional mailslot magazines, capacity increase modules, additional power supplies, multi-module robotics assembly, NEO 8000 to NEO 8000e upgrade kit, NEO 8000e rear door option kit
Standard Warranty	The NEO 8000e is covered by a one-year OverlandCare limited hardware warranty including Next Business Day Onsite support and 24x7 telephone support. NEO 8000e 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.

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