

## ULTRIUM™ Media

### The industry standard for superior offline reliability

Overland-Tandberg LTO Ultrium data cartridges and cleaning cartridges are recommended for use with all Overland-Tandberg LTO tape drives, tape autoloaders and tape libraries. Overland-Tandberg LTO media ensures the availability and security of your data.



#### Key Benefits



LTO provides high capacity, with as much as 45TB of compressed data stored on each cartridge and lowest overall cost of storage.



The integrated cartridge memory for enhanced drive performance, holds information usable by applications and aids serviceability.



Tape has the lowest energy consumption and carbon footprint compared to other archive solutions.



LTO technology features one of the strongest encryption capabilities available to help protect the most sensitive data stored on tape cartridges.



Overland-Tandberg offers a variety of choices of media types and services, including labeled and unlabeled media as well as custom barcode labeling.

#### Trusted and proven technology

With over 148.3 Exabytes of total capacity shipped in 2022, LTO media provides the absolute lowest cost per gigabyte and highest reliability for long-term data storage when compared with alternative archive media.

LTO's **fourteen-generation** roadmap supports future storage requirements for replication, backup and archive.

#### Overland-Tandberg LTO Tape Media

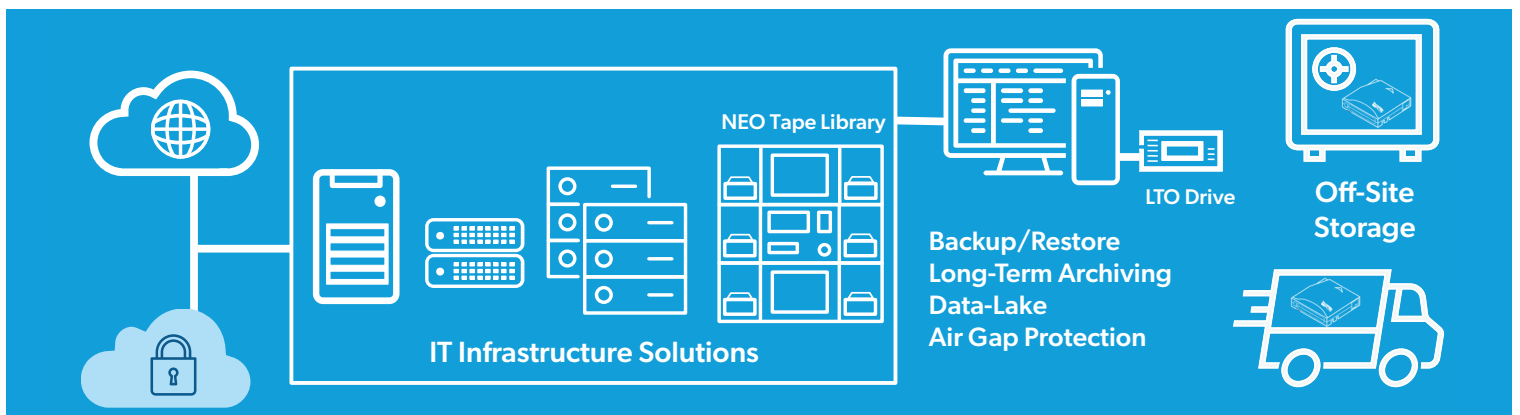
Protection is the most significant part of a data management plan. Today's business environments rely on the availability and access to digital assets.

#### Fits in various applications

Whether backup/restore tasks, archiving or data-lake apps, LTO supports businesses that require solutions for regulatory compliance in data retention and storage. LTO media are designed for a 30-year archival life and 260 full tape backups.

#### Built in Ransomware protection

As a removable media, LTO provides an Air-Gap between the data and the network. As soon as cartridges are ejected and placed off-site or kept in a library slot, there is no chance for a malware-attack.



Specifications	LTO-9	LTO-8	LTO-7
Capacity (native)	18TB	12TB	6TB
Capacity (compressed) <sup>(1)</sup>	45TB	30TB	15TB
Includes Barcode Labels <sup>(2)</sup>	Yes		
Number of Tracks	8,960	6,656	3,584
Tape Length	1,035m	960m	960m
Tape Thickness	5.2µm	5.6µm	5.6µm
Bit Density	21.5kb/mm	20.7kb/mm	19.1kb/mm
Cartridge Weight	0.65 lbs.		
Temperature (operating)	59- 77°F	50 - 113°F	
Humidity (operating)	20 - 50%	10 - 80%	
Temperature (archival storage)	59- 77°F	61 - 77°F	
Humidity (archival storage)	20 - 50%		

(1) Assumes 2.5:1 compression ratio

(2) Refer to Overland-Tandberg price list for details

### Tape Drive/Media Compatibility Matrix

		Media								
		LTO-9	LTO-8	LTO-7	LTO-6	LTO-5	LTO-4	LTO-3	LTO-2	LTO-1
Drives	LTO-9	R/W	R/W							
	LTO-8		R/W	R/W						
	LTO-7			R/W	R/W	Read				
	LTO-6				R/W	R/W	Read			
	LTO-5					R/W	R/W	Read		
	LTO-4						R/W	R/W	Read	
	LTO-3							R/W	R/W	Read
	LTO-2								R/W	R/W
	LTO-1									R/W



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