

# LTO Ultrium Tape Drives & Media

## LTO UltriumTape Drives

In today's data-intensive world, organizations of all sizes are creating, storing, backing up and archiving large amounts of data. Protecting that data is one of the single-most important steps you can take to ensure the ongoing success of your business.

Designed for small businesses, Overland Storage LTO tape drives protect your server data by providing cost-effective backup, archive and disaster recovery.

### Key benefits:

- Backup as much as 6.25TB of data on a single cartridge
- Reduce your backup window and use of server and network resources with high-performance data transfer rates
- Maximize your investment and ensure that your data is safe with proactive drive and media management
- Secure confidential information and address compliance issues with hardware data encryption and WORM support
- Ensure effortless connectivity with widespread server and backup software support
- Provide backward compatibility to legacy tape cartridges in automation environments

Overland Storage tape drives, combined with LTO media, deliver an exceptionally low cost of ownership and ensure a faster return on investment.

Overland Storage LTO tape drives are just the first step in an entire line of LTO-based storage solutions. Whether you need the simple storage capacity of a single tape drive, or the convenience, reliability, data availability and superior cost of ownership of an Overland Storage LTO automated tape library, Overland has a solution that's right for you.

## LTO Ultrium Media

LTO media, provided by Overland Storage, is recommended for use with all Overland LTO tape drives, tape autoloaders and tape libraries.

With over 3 million LTO tape cartridges shipped worldwide, LTO media will ensure the availability and security of your data.

### Key benefits:

- High capacity, with as much as 6.25TB of data stored on each LTO cartridge
- Cartridge memory chip delivers faster access time and enhanced media monitoring
- Durable cartridge reduces media failures and eliminates disrupted backups
- Extreme laboratory testing ensures that your LTO media not only meets but exceeds the standards required for superior data availability
- Data security is ensured by encrypting the contents of the cartridge with hardware encryption
- Ultrium cartridges are designed for a 30-year archival life and/or 260 full backups. This enables businesses to meet the ever-increasing demands of regulation for data retention and archiving.
- Limited lifetime warranty

Overland LTO media provides compatibility across multiple product generations, giving you the ultimate in choice and affordability and ensuring you benefit from superior investment protection.



## Tape Drive Specifications

	Overland LTO6 tape drive	Overland LTO5 tape drive	Overland LTO4 tape drive
Part number	OV-LTO101007	OV-LTO101006	OV-LTO101005
Native capacity per cartridge	2500GB (2.5TB)	1500GB (1.5TB)	800GB
Compressed capacity per cartridge <sup>1</sup>	6250GB (6.25TB)	3000GB (3TB)	1600GB (1.6TB)
Native data transfer rate per drive	160MB/s	140MB/s	120MB/s
Compressed data transfer rate per drive*	400MB/s	280MB/s	240MB/s
Media compatibility	Read/write LTO6, LT05; Read only LTO6, LT05	Read/write LTO5, LTO4 tapes; Read only LTO3 tapes	Read/write LTO4, LTO3 tapes; Read only LTO2 tapes
MTBF (Mean Time Between Failures)	250,000 hours @ 100% duty cycle	250,000 hours @ 100% duty cycle	250,000 hours @ 100% duty cycle
Buffer size	512MB	256MB	128MB
Interface	6Gb SAS/SFF 8088	6Gb SAS/SFF 8088	6Gb SAS/SFF 8088
Dimensions HxWxD	Standard = 8.39w x 2.29h x 13.07d	Standard = 8.39w x 2.29h x 13.07d	Standard = 8.39w x 2.29h x 13.07d
Weight	Standard = 9.5 lb	Standard = 9.5 lb	Standard = 9.5 lb
Dynamic Data Rate Matching	40-160MB/s (native)	40-140MB/s (native)	30-120MB/s (native)
Average load/unload time	17 seconds	17 seconds	7 seconds
Power consumption	24 watts typical;	24 watts typical	26 watts typical;
Temperature (operating)	10°C to 38°C	10°C to 38°C	10°C to 38°C
Humidity (operating)	10 to 80% (non-condensing)	10 to 80% (non-condensing)	10 to 80% (non-condensing)
Front panel LED indicators	• Ready • Encryption • Fault	• Ready • Encryption • Fault	• Ready • Encryption • Fault
Standards compliance	FCC, VCCI, ICES, EU, China, Taiwan, Korea, Russia	FCC, VCCI, ICES, EU, China, Taiwan, Korea, Russia	FCC, VCCI, ICES, EU, China, Taiwan, Korea, Russia
Warranty	3 year return to factory	3 year return to factory	3 year return to factory

## Media Specifications

	LTO6 media	LTO5 media	LTO4 media	LTO3 media
Part number <sup>2</sup>	OV-LTO901605	OV-LTO901505	OV-LTO901405	OV-LTO901305
Native capacity per cartridge	2500GB (2.5TB)	1500GB (1.5TB)	800GB	400GB
Compressed capacity per cartridge <sup>1</sup>	6250GB (6.25TB)	3000GB (3.0TB)	1600GB (1.6 TB)	800 GB
Cartridge color	Purple	Light blue	Green	Yellow
Includes barcode labels?	Yes	Yes	Yes	Yes
Cartridge weight	.63 lbs (285.2 g)	.63 lbs (285.2 g)	.63 lbs (285.2 g)	.63 lbs (285.2 g)
Archival Storage Life	30 years	30 years	30 years	30 years
Media durability	1,000,000 passes on any area of tape, equates to over 20,000 end to end passes/260 full tape backups	1,000,000 passes on any area of tape, equates to over 20,000 end to end passes/260 full tape backups	1,000,000 passes on any area of tape, equates to over 20,000 end to end passes/260 full tape backups	1,000,000 passes on any area of tape, equates to over 20,000 end to end passes/260 full tape backups
Warranty	Limited lifetime	Limited lifetime	Limited lifetime	Limited lifetime

<sup>1</sup>assumes 2:1 compression (2.5:1 compression on LTO6)

<sup>2</sup>also available in 20-packs (without barcode labels or with customized barcode labels). Contact your reseller for applicable part number information.

## Sales Offices

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

**Asia Pacific**  
16 New Industrial Road #04-04  
Hudson TechnoCentre  
Singapore, 536204  
Tel: +65 62811 778

**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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