

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.

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 3.0TB 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 warranted for up to 30 years archival life and/or 260 full backups. This enables businesses to meet the ever-increasing demands of regulation for data retention and archiving.

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 ¹	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	Reads LTO6, LTO5, LTO4; writes LTO6, LTO5	Reads/writes LTO5 & LTO4 tapes; reads LTO3 tapes	Reads/writes LTO4 & LTO3 tapes; reads 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	256MB	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 40°C	10°C to 40°C	10°C to 40°C
Humidity (operating)	20 to 80% (non-condensing)	20 to 80% (non-condensing)	20 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

	LTO3 media	LTO4 media	LTO5 media
Part number ²	OV-LTO901305	OV-LTO901405	OV-LTO901505
Native capacity per cartridge	400GB	800GB	1500GB (1.5TB)
Compressed capacity per cartridge ¹	800 GB	1600GB (1.6 TB)	3000GB (3.0TB)
Cartridge color	Yellow	Green	Light blue
Includes barcode labels?	Yes	Yes	Yes
Compatibility	Read/write in LTO3 and LTO2 drives; read only in LTO1 drives	Read/write in LTO4 and LTO3 drives; read only in LTO2 drives	Read/write in LTO5 and LTO4 drives; read only in LTO3 drives
Cartridge weight	.63 lbs (285.2 g)	.63 lbs (285.2 g)	.63 lbs (285.2 g)
Archival Storage Life	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
Warranty	Limited lifetime	Limited lifetime	Limited lifetime

¹assumes 2:1 compression

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

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