

LTO Ultrium Tape Drives

Rethink **Backup**
and **Archive**
with **LTO Tape Drives**
BIGGER. BETTER. FASTER.



Tandberg Data/Overland Storage LTO Ultrium Tape Drives

When it comes to LTO, Tandberg Data/Overland Storage is your go-to-source for protecting, backing up and archiving your business-critical data. Our LTO tape drives protect your server data by providing simple, affordable backup, archive and disaster recovery.

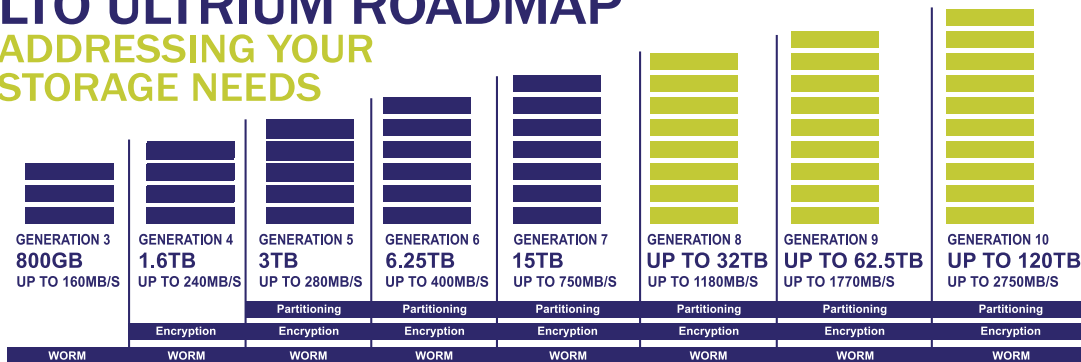
With superior performance and capacity, and available in both internal and external configurations, Tandberg Data/Overland Storage LTO Ultrium tape drives are ideal for backing up and archiving data on single workstations or small networks. Features such as 256-bit Advanced Encryption Standard (AES) ensure that data contained on the cartridges is secure for archiving and off-site transportation.

Also, our Linear Tape File System (LTFS) functionality, available since we shipped LTO-5, enables users to easily drag and drop files to tape just as they would with disk drives. Compatible with Windows, Linux and Mac OS environments, LTFS functionality eliminates the need for backup software and provides ease of data exchange between users.

We have the LTO solution to meet your data capacity requirements today and tomorrow. As LTO Ultrium has a ten-generation roadmap, it is a clear choice for backup and archive continuity in small- and medium-sized businesses.

LTO ULTRIUM ROADMAP

ADDRESSING YOUR STORAGE NEEDS



Note: Compressed capacities for generations 1-5 assume 2:1 compression. Compressed capacities for generations 6-10 assume 2.5:1 compression (achieved with larger compression history buffer). Source: The LTP Program. The LTO Ultrium roadmap is subject to change without notice and represents goals and objectives only. Linear Tape-Open, LTO, the LTO logo, Ultrium, and the Ultrium logo are registered trademarks of HP, IBM and Quantum in the US and other countries.

Key benefits:

- Backup as much as 15TB 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

Tandberg Data/Overland Storage LTO Ultrium tape drives are just one of many products in an entire line of NEO 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 a NEO Series LTO automated tape library, Tandberg Data/Overland Storage has the solution that's right for you.



Tape Drive Specifications

	LTO-7	LTO-6	LTO-5	LTO-4
Capacity (native)	6TB	2.5TB	1.5TB	800GB
Capacity (Compressed)	15TB	6.25TB	3.0TB	1.6TB
Transfer Rate (native)	300MB/s (1TB/hr.)	160MB/s (576GB/hr.)	140MB/s (504GB/hr.)	120MB/s (432GB/hr.)
Transfer Rate (compressed)	750MB/s (2.7TB/hr.)	400MB/s (1.4TB/hr.)	280MB/s (1TB/hr.)	240MB/s (864GB/hr.)
Ratio	2.5:1	2.5:1	2:1	2:1
Interface	6GB SAS/SFF 8088	6GB SAS/SFF 8088	6GB SAS/SFF 8088	6GB SAS/SFF 8088
Configurations	Internal; external/desktop	Internal; external/desktop	Internal; external/desktop	Internal; external/desktop
Internal Dimensions (HxWxD)	1.7 in. x 5.8 in. x 8.3 in. 43.2mm x 147.3mm x 210.8mm	3.3 in. x 5.7 in. x 8.2 in. 83.8mm x 144.8mm x 208.3mm	3.3 in. x 5.7 in. x 8.2 in. 83.8mm x 144.8mm x 208.3mm	3.3 in. x 5.7 in. x 8.2 in. 83.8mm x 144.8mm x 208.3mm
External Dimensions (HxWxD)	2.3 in. x 8.4 in. x 13.1 in. 58.4mm x 213.4mm x 332.7mm	4.7 in. x 8.6 in. x 11.7 in. 119.4mm x 218.4mm x 297.2mm	4.7 in. x 8.6 in. x 11.7 in. 119.4mm x 218.4mm x 297.2mm	4.7 in. x 8.6 in. x 11.7 in. 119.4mm x 218.4mm x 297.2mm
Internal Weight	3.7 lbs. / 1.7 kg	4.9 lbs. / 2.2 kg	4.9 lbs. / 2.2 kg	4.9 lbs. / 2.2 kg
External Weight	9.4 lbs. / 4.3 kg	12.3 lbs. / 5.6 kg	12.3 lbs. / 5.6 kg	12.3 lbs / 5.6 kg
Read/Write Compatibility	Write: LTO-7, LTO-6 Read: LTO-7, LTO-6, LTO-5	Write: LTO-6, LTO-5 Read: LTO-6, LTO-5, LTO-4	Write: LTO-5, LTO-4 Read: LTO-5, LTO-4, LTO-3	Write: LTO-4, LTO-3 Read: LTO-4, LTO-3, LTO-2
MTBF (Mean Time Between Failure)	250,000 hours @100% duty cycle	250,000 hours @100% duty cycle	250,000 hours @100% duty cycle	250,000 hours @100% duty cycle
Buffer Size	1024MB	512MB	256MB	128MB
Data Rate Matching (native)	101-306MB/s	54-160MB/s	47-140MB/s	33-80MB/s
Power Consumption (maximum)	42 watts	39 watts	33 watts	33 watts
Temperature (operating)	50° - 100°F 10° - 38°C	50° - 95°F 10° - 35°C	50° - 95°F 10° - 35°C	50° - 95°F 10° - 35°C
Humidity (operating)	20-80% (non-condensing)	20-80% (non-condensing)	20-80% (non-condensing)	20-80% (non-condensing)
Standard Warranty	3 year advanced exchange	3 year advanced exchange	3 year advanced exchange	3 year advanced exchange

Sales Offices

Sales and support for Sphere 3D products and solutions are available in over 90 countries. Contact us today at sales@sphere3d.com. For a full list of Sphere 3D addresses and phone numbers, please see our website at: <http://sphere3d.com/contact-us/>.

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