



LTO Ultrium Data and Cleaning Cartridges

FEATURES AND BENEFITS

- **High Storage Capacity** – Up to 400GB native and up to 800GB compressed¹.
- **Fast Transfer Rate** – Up to 160MB/sec¹ for quicker backup and improved cost efficiency.
- **WORM (Write Once Read Many) Solution** – Help address today's tough regulatory and compliance needs with a write once read many data cartridge.
- **High-Performance** – a 4KB high-durability non-contact IC memory chip is built-in. This contributes to significant improvement in tape library access.

1. Assumes 2:1 data compression

Do not degauss LTO cartridges. LTO Ultrium cartridges are pre-recorded with a magnetic servo signal at the factory. This signal is required in order to use the cartridge with the LTO Ultrium drive. Keep magnetically charged objects out of close range. Specifications subject to change. Quantum LTO Ultrium cartridge tapes are covered by a limited lifetime warranty. Visit Quantum.com for full details.

LTO Ultrium is designed to deliver exceptional reliability and performance to address the needs of mid-range tape backup applications at a low cost per GB

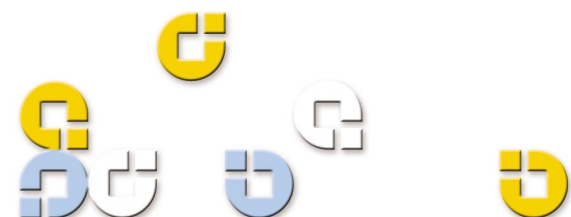
Quantum media cartridges are manufactured to the highest industry standards for quality and reliability, ensuring low error rates, high performance and long-term durability. Quantum media allows you to archive your data with confidence.

The Quantum media family offers you more choices to better manage your data over time, and now includes LTO Ultrium tape cartridges.

Our LTO Ultrium media is optimized for high capacity and performance with outstanding reliability, in either stand-alone or automated environments. In addition, Quantum LTO Ultrium media cartridges are specially tested with Quantum tape drives and automation products to ensure smooth performance for years to come.

The Quantum LTO Ultrium product line ranges from 200GB¹ to 800GB¹ capacity per cartridge, making it an ideal choice for capacity specific backup and archive applications.

In addition, Quantum offers LTO Ultrium 3 WORM (Write Once Read Many) data cartridges to address regulatory and compliance needs. Data cannot be overwritten, only appended and the cartridge cannot be reused if degaussed. This gives companies a reliable, accurate, virtually tamper-proof data archive tool to meet today's tougher regulatory requirements.



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About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum offers the broadest portfolio of tape drives, media, autoloaders, libraries and disk-based backup systems.

LTO ULTRIUM 1, ULTRIUM 2, ULTRIUM 3, ULTRIUM 3 WORM DATA CARTRIDGES AND ULTRIUM UNIVERSAL CLEANING CARTRIDGE SPECIFICATIONS

LTO Ultrium Media Specifications	Ultrium 1	Ultrium 2	Ultrium 3	Ultrium 3 WORM*	Ultrium Universal Cleaning Tape
Basic Specifications					
Part Number	MR-L1MQN-01	MR-L2MQN-01	MR-L3MQN-01	MR-L3MQN-02	MR-LUCQN-01
Cartridge Color	Black	Purple	Blue	Blue/Gray	Black
Capacity (Native/Compressed)	100/200GB ¹	200/400GB ¹	400/800GB ¹	400/800GB ¹	N/A
Number of Tracks	384	512	704	704	N/A
Durability	Average 1,000,000+ head passes in office/computer environment	Average 1,000,000+ head passes in office/computer environment	Average 1,000,000+ head passes in office/computer environment	Media tested to 1,000,000+ head passes in office/computer environment	N/A
Uses	Up to 260 full tape uses	Up to 260 full tape uses	Up to 260 full tape uses	Write once, read many, append only tape Up to 260 full tape uses (Writes, appends or reads)	maximum 50 cleanings - drive dependent
Physical Characteristics					
Tape Width	12.65mm (0.50")	12.65mm (0.50")	12.65mm (0.50")	12.65mm (0.50")	12.65mm (0.50")
Tape Thickness	8.9µm	8.9µm	8.9µm	8.9µm	8.0µm
Tape Length	609m(1,998')	609m(1,998')	680m(2,231')	680m(2,231')	319m(1,046.59')
Cartridge Dimensions	21.5x105.4x102.0mm (0.85"x 4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x 4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x 4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x 4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x 4.15"x4.02") [W x H x L]
Operating Environment					
Temperature	10 - 45°C (50 - 113°F)	10 - 45°C (50 - 113°F)	10 - 45°C (50 - 113°F)	10 - 45°C (50 - 113°F)	10 - 45°C (50 - 113°F)
Humidity	10 - 80%RH.	10 - 80%RH.	10 - 80%RH.	10 - 80%RH.	10 - 80%RH.
Storage Environment - Non-archive					
Temperature	16 - 32°C (61 - 90°F)	16 - 32°C (61 - 90°F)	16 - 32°C (61 - 90°F)	16 - 32°C (61 - 90°F)	16 - 32°C (61 - 90°F)
Humidity	20 - 80%RH.	20 - 80%RH.	20 - 80%RH.	20 - 80%RH.	20 - 80%RH.
Storage Environment - Archive					
Temperature	5 - 23 °C (41 - 73°F)	5 - 23 °C (41 - 73°F)	5 - 23 °C (41 - 73°F)	5 - 23 °C (41 - 73°F)	N/A
Humidity	20 - 50%RH	20 - 50%RH	20 - 50%RH	20 - 50%RH	N/A

*Write Once Read Many

Quantum



For more information,
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