



## LTO Ultrium

Meeting the Needs of a Broad Market

### WHY CHOOSE QUANTUM LTO ULTRIUM MEDIA:

- Quantum's LTO Ultrium media is manufactured to the highest industry standards for quality and reliability ensuring high performance and durability, whether utilized for primary backup or long-term archive.
- A pioneer of the LTO Consortium, Quantum is committed to the continued development of the LTO platform. Quantum's comprehensive media quality monitoring and extensive interoperability testing ensures cross-platform compatibility, optimal performance, and reliability whether you're using a Quantum tape drive, library, or other LTO-compatible hardware.
- Quantum's LTO Ultrium media is compliant with all Media Integrity Analysis utilities, including Quantum's iLayer™ Advanced Reporting and Extended Data Life Management, to provide ongoing trend data to evaluate and protect the integrity of the media pool, helping administrators improve overall backup reliability and reduce costs. When your critical data is involved, it is important to have a complete health record of your media.
- LTO Ultrium WORM (Write Once, Read Many) media cartridges are available to meet today's stringent regulatory and compliance requirements. Combined with native AES 256-bit encryption on LTO-6, LTO-5 and LTO-4 drives, WORM cartridges physically prevent data from being overwritten or tampered with, providing a reliable, accurate and scalable data integrity solution.
- Quantum's LTO media offering supports your comprehensive, "edge-to-core" backup, recovery and archive strategy. When you use Quantum media and hardware, you get the added assurance of over 30 years of storage experience and service behind the entire solution.

### QUANTUM OFFERS COMPLIMENTARY VALUE-ADDED SERVICES TO SAVE YOU TIME AND MONEY MANAGING YOUR MEDIA:

Have you ever spent hours unpacking, labeling and loading media into your library?

Why waste IT resources unpacking boxes and labeling cartridges?

Your time and your data are valuable. We understand that.

- Allow Quantum to pre-label your data cartridges with your requested bar code label sequences and color scheme. They will arrive ready to load into the library.

No need for individual cartridge cases? No problem! We offer "library packaging" to save you time!

- This eco-friendly bulk packaging option protects cartridges during shipment and storage without the individual cartridge cases. This allows quicker access to the cartridges to expedite loading into automation slots/trays—and it results in less waste.

Combine bar code labeling with library packaging and save even more time!



## MEDIA

### INDUSTRY-LEADING QUALITY AND RELIABILITY

### COMPATIBLE WITH QUANTUM AND OTHER BRAND LTO DRIVES AND LIBRARIES

### COMPLIMENTARY VALUE-ADDED SERVICES

### ONE SOURCE FOR ALL YOUR DATA STORAGE AND SERVICE NEEDS

## FEATURES AND BENEFITS

- **High Storage Capacity** – Up to 2500GB native and up to 6250GB compressed<sup>1,2</sup>
- **Up to 30-Year Archival Life**
- **WORM (Write Once, Read Many)** – Addresses today's tough regulatory and compliance needs
- **High Performance** – A high-durability, non-contact IC memory chip up to 16KB is built-in; this contributes to significant improvement in tape library access and health reporting
- **Bar Code Labeling and Library Packaging** – Available to quickly load automation slots/trays
- **Over 30 Years of Experience** – Demonstrated top performance and innovation in hardware and media products



## BASIC GENERATION SPECIFICATIONS

	Ultrium 6 Ultrium 6 WORM	Ultrium 5 Ultrium 5 WORM	Ultrium 4 Ultrium 4 WORM	Ultrium 3 Ultrium 3 WORM	Ultrium 2	Ultrium 1	Ultrium Universal Cleaning
Drive Compatibility	LTO-6 LTO-6 WORM	LTO-5 LTO-5 WORM	LTO-4 LTO-4 WORM	LTO-3 LTO-3 WORM	LTO-2	LTO-1	All
Cartridge Color	Black Black/Gray	Brick Red Brick Red/Gray	Green Green/Gray	Blue Blue/Gray	Purple	Black	Black
Capacity (Native/Compressed)	2500/6250GB <sup>1</sup>	1500/3000GB <sup>2</sup>	800/1600GB <sup>2</sup>	400/800GB <sup>2</sup>	200/400GB <sup>2</sup>	100/200GB <sup>2</sup>	Maximum 50 cleanings- drive dependent
Tape Length	846m [2,776']	846m [2776']	820m [2,690']	680m [2,231']	609m [1,998']	609m [1,998']	319m [1,046.59']

## DIMENSIONS

Tape Width	12.65mm [0.50"]
Cartridge Dimensions	21.5x105.4x102.0mm (0.85" x 4.15" x 4.02") [W x H x L]

## OPERATING ENVIRONMENT

Temperature	10 - 45°C [50 - 113°F]
Humidity	10 - 80%RH

## STORAGE ENVIRONMENT – NON-ARCHIVE

	Ultrium 6 and 5	Ultrium 4, 3, 2, 1 and Cleaning
Temperature	16 - 35°C [61 - 95°F]	16 - 32°C [61 - 90°F]
Humidity	20 - 80%RH	20 - 80%RH

## STORAGE ENVIRONMENT – ARCHIVE

Temperature	16 - 25 °C [61 - 77°F]
Humidity	20 - 50%RH
(Not applicable for cleaning cartridge)	

<sup>1</sup> Based on 2.5:1 compression<sup>2</sup> Based on 2:1 compression

## Model Numbers and Descriptions

	Standard	WORM	Bar Code Labeled	Bar Code Labeled – WORM	Library Pack	Bar Code Labeled Library Pack
Ultrium 6	MR-L6MQN-01	MR-L6MQN-02	MR-L6MQN-BC	MR-L6WQN-BC	MR-L6MQN-20	MR-L6LQN-BC
Ultrium 5	MR-L5MQN-01	MR-L5MQN-02	MR-L5MQN-BC	MR-L5WQN-BC	MR-L5MQN-20	MR-L5LQN-BC
Ultrium 4	MR-L4MQN-01	MR-L4MQN-02	MR-L4MQN-BC	MR-L4WQN-BC	MR-L4MQN-20	MR-L4LQN-BC
Ultrium 3	MR-L3MQN-01	MR-L3MQN-02	MR-L3MQN-BC	MR-L3WQN-BC	MR-L3MQN-20	MR-L3LQN-BC
Ultrium 2	MR-L2MQN-01		MR-L2MQN-BC		MR-L2MQN-20	MR-L2LQN-BC
Ultrium 1	MR-L1MQN-01		MR-L1MQN-BC			
Ultrium Cleaning	MR-LUCQN-01		MR-LUCQN-BC			

## ABOUT QUANTUM

Quantum is a proven global expert in Data Protection and Big Data management, providing specialized storage solutions for physical, virtual and cloud environments. From small businesses to major enterprises, more than 50,000 customers trust Quantum to help maximize the value of their data by protecting and preserving it over its entire lifecycle. With Quantum, customers can Be Certain they're able to adapt in a changing world – keeping more data longer, bridging from today to tomorrow, and reducing costs. See how at [www.quantum.com/BeCertain](http://www.quantum.com/BeCertain).

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