Quantum

LTO Ultrium

Meeting the Needs of a Broad Market

UP TO 1600GB COMPRESSED CAPACITY

DURABILITY AND RELIABILITY BY DESIGN

FEATURES AND BENEFITS

Quantum LTO Ultrium media cartridges are manufactured to the highest industry standards for quality and reliability, ensuring low error rates, high performance and long-term durability. This family offers you more choices to manage and archive your data with confidence.

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 200GB[1] to 1600GB[1] capacity per cartridge, making it an ideal choice for capacity specific backup and archive applications.

In addition, Quantum offers LTO Ultrium 3 and 4 WORM (Write Once Read Many) media 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.

- High Storage Capacity – Up to 800GB native and up to 1600GB compressed[1]

- Fast Transfer Rate – Up to 240MB/sec[1] 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

- Bar code labeling available for Quantum brand LTO Ultrium media and cleaning cartridges

	Ultrium 1	Ultrium 2	Ultrium 3 / Ultrium 3 WORM	Ultrium 4 / Ultrium 4 WORM	Ultrium Universal Cleaning
BASIC SPECIFICATIONS					
Drive Compatibility	LTO-1	LTO-2	LTO-3 / LTO-3 WORM	LTO-4 / LTO-4 WORM	All
Cartridge Color	Black	Purple	Blue / Blue/Gray	Green / Green/Gray	Black
Capacity (Native/Compressed)	100/200GB[1]	200/400GB[1]	400/800GB[1]	800/1600GB[1]	N/A
Number of Tracks	384	512	704	896	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	Average 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 WORM - Write once, read many, append only tape. Up to 260 full tape uses (Writes, appends or reads)	Up to 260 full tape uses WORM - 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	8.0μm	6.6μm	8.0μm
Tape Length	609m (1,998')	609m (1,998')	680m (2,231')	820m (2,690')	319m (1,046.59')
Cartridge Dimensions	21.5x105.4x102.0mm (0.85"x4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x4.15"x4.02") [W x H x L]	21.5x105.4x102.0mm (0.85"x4.15"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	16 – 25 °C (61 - 77°F)	16 – 25 °C (61 - 77°F)	16 – 25 °C (61 - 77°F)	16 – 25 °C (61 - 77°F)	N/A
Humidity	20 – 50%RH	20 – 50%RH	20 – 50%RH	20 – 50%RH	N/A

[1] Based on 2:1 compression

Model Numbers and Descriptions

MR-L1MQN-01	Ultrium 1 Media Cartridge	MR-L3WQN-BC	Bar Code Labeled Ultrium 3 WORM Media Cartridge
MR-L1MQN-BC	Bar Code Labeled Ultrium 1 Media Cartridge	MR-L4MQN-01	Ultrium 4 Media Cartridge
MR-L2MQN-01	Ultrium 2 Media Cartridge	MR-L4MQN-BC	Bar Code Labeled Ultrium 4 Media Cartridge
MR-L2MQN-BC	Bar Code Labeled Ultrium 2 Media Cartridge	MR-L4MQN-02	Ultrium 4 WORM Media Cartridge
MR-L3MQN-01	Ultrium 3 Media Cartridge	MR-L4WQN-BC	Bar Code Labeled Ultrium 4 WORM Media Cartridge
MR-L3MQN-BC	Bar Code Labeled Ultrium 3 Media Cartridge	MR-LUCQN-01	Ultrium Universal Cleaning Cartridge
MR-L3MQN-02	Ultrium 3 WORM Media Cartridge	MR-LUCQN-BC	Bar Code Labeled Ultrium Universal Cleaning Cartridge

For contact and product information, visit quantum.com or call 800-677-6268

Quantum.

Backup. Recovery. Archive. It's What We Do.

About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.