



Super DLTtape® II

The Next Step in DLTtape Design

As backup environments become more complex, the need for manageability continues to grow. That's why the new Quantum Super DLTtape II cartridge is the first tape cartridge designed to fully leverage the latest data management offering from DLTtape Technology —DLTSage™. Now, IT professionals can monitor media and drive diagnostics to better manage, predict and proactively prevent backup system errors.

Designed for use with the new Quantum SDLT 600, the Super DLTtape II cartridge delivers a monstrous 300GB native (up to 600GB compressed) capacity. Incorporating DLTtape's new eMP60™ tape technology, the Super DLTtape cartridge provides customers with the highest reliability available.

Tape Technology Innovation

Everything in the Super DLTtape II is designed to enhance reliability, capacity and performance to provide IT professionals with vast improvements in tape storage. And, with the added benefit of DLTSage functionality, this new media cartridge puts the power of knowing that data is safe, secure and protected where it belongs — in the hands of IT professionals everywhere.

Building on a Great Heritage

Super DLTtape II extends the proven success of the Super DLTtape I and adds to the solid achievements of the entire DLTtape platform. DLTtape Technology is chosen by 98% of Fortune 500® businesses to protect their business-critical data. And now, the choice of DLTtape has a compelling offering: Super DLTtape II.

UP TO 600GB COMPRESSED CAPACITY

ENHANCED MONITORING
THROUGH DLTSAGE

FEATURES AND BENEFITS

-  High capacity – 300GB native and up to 600GB compressed¹
-  Solid reliability – Archival life of more than 30 years
-  DLTSage™ enabled – Better manages, predicts, and proactively prevents storage system errors
-  eMP60 technology – Improves recording densities enabling higher capacities
-  Super PET (S-PET) base film – Strengthens tape, allowing better usability
-  Optical servo on back of tape – Saves magnetic surface for data, increasing the number of recording tracks and therefore, capacity

A New Level of Capacity

Combining next-generation technical innovations pioneered by Quantum together with a proven magnetic and optical technologies, Super DLTtape II achieves a new level of capacity and reliability. For example, by transferring optical servo guide information to the opposite side of the media, Super DLTtape II enables a significant increase in the number of recording tracks on the data-bearing media surface.

Super DLTtape II uses a new Super PET (S-PET) base film. This is a super-tensilized version of the PET base film used

for previous generations of DLTtape. The S-PET base film strengthens the tape, enabling an overall thickness reduction of 10%. This results in an extra 200 feet of media in a Super DLTtape II cartridge versus a Super DLTtape I cartridge.

The combination of metal particle orientation, a dense binding system, a smooth coating surface, and a specially selected S-PET base film, allows the Super DLTtape II media to accept shorter wavelength recording and achieve higher density and performance with better signal response and improved signal strength than Super DLTtape I media and other technologies.

COMPATIBILITY

Media	Recording Format	Capacity (native)	SDLT 220
Super DLTtape II	SDLT 600/600A	300GB	36MB/sec

TAPE CHARACTERISTICS

Tape Type:	Advanced Metal Particle (AMP)
Overall Length:	2,066 ft. (630M)
Tape Width:	0.498" (12.65mm)
Tape Thickness (µm):	8.00

MAGNETIC PROPERTIES

Coercivity (Oe):	2,600
Remanence (G):	2,300

PHYSICAL SPECIFICATIONS

Width:	4.16" (105.6mm)
Length:	4.15" (105.3mm)
Height:	1.0" (25.4mm)
Weight:	7.85 oz. (222.5 g)
Color:	Blue

TAPE LIFE

Archive Storage:	>30 years with less than 10% loss in demagnetization (at 20° C and 40% non-condensing humidity)
Durability:	Average 1,000,000 head passes in typical office/computing environment
Uses:	Up to 260 full tape uses

ENVIRONMENTAL

Operating	
Ambient Temperature:	50°F to 104°F (10°C to 40°C)
Relative Humidity:	20% to 80% (Non-Condensing)
Maximum Wet Bulb Temperature:	79°F (26°C)
Storage (non-archival)	
Temperature:	60°F to 90°F (16°C to 32°C)
Relative Humidity:	20% to 80% (Non-Condensing)
Maximum Wet Bulb Temperature:	79°F (26°C)
Storage (archival)	
Temperature:	64°F to 82°F (18°C to 28°C)
Relative Humidity:	40% to 60% (Non-Condensing)
Stay Magnetic Field (G):	<4,000 (strength impinging on any point on the cartridge)

MANAGEABILITY

DLTSage Support:	Full
DLTSage xTalk:	Cross-platform interface: Windows, HP-UX Solaris, Linux
DLTSage iTalk:	Infrared interface: Windows, Windows CE

WARRANTY

Quantum Super DLTtape II half-inch cartridge tapes are free from defects in material and manufacture at the time of purchase. This limited lifetime warranty extends to the original end-user purchaser of the product and is not assignable or transferable to any subsequent purchaser or end-user.

¹ Based on 2:1 compression

Model Numbers and Descriptions

MR-S2MQN-01	Super DLTtape II Media Cartridge
MR-S2MQN-BC	Barcode Labeled Super DLTtape II Media Cartridge
MR-SACCL-01	SDLT Cleaning Cartridge
MR-SACCL-BC	Barcode Labeled SDLT Cleaning Cartridge

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

Quantum®

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

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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.