



# Super DLTtape® I

Continuing to Lead the Market in DLTape Design

## The Market

With the exponential growth of the Internet and continual advances in networking and communications, the demands on data backup and archiving are relentlessly increasing. Over time, one technology—Quantum DLTtape®—has proven up to the challenge by providing extremely robust, scalable and dependable performance. Now, Quantum, leader in tape technology, delivers again, achieving an even higher level of performance and capacity in the new Quantum Super DLTtape® I tape media. With outstanding versatility, Super DLTtape is the quality media of choice for every application from entry-level departmental servers to complex enterprise-class storage area networks.

## A New Level of Capacity




Combining next-generation technical innovations pioneered by Quantum together with proven magnetic and optical technologies, Super DLTtape I sets a new level of capacity and reliability. For example, by transferring optical servo guide information to the opposite side of the media, Super DLTtape I enables a significant increase in the number of recording tracks on the data-bearing media surface. As a result, a single Super DLTtape I cartridge provides up to 160GB native or 320GB compressed storage. Super DLTtape I also achieves superior reliability with a positive engagement tape leader buckling mechanism and a robust cartridge-shell material that supports the increased load/unload performance demanded in high-end and automated computing environments.

## A Proven Choice

Quantum DLTtape drives and media are the industry standard in data storage. By any measure, the Super DLTtape I cartridges deliver the investment protection and extensible platform to meet most storage needs.

UP TO 320GB COMPRESSED CAPACITY  
QUALITY AND RELIABILITY CHOICE FOR  
MULTIPLE APPLICATIONS

## FEATURES AND BENEFITS

-  Highest storage capacity – 160GB native and up to 320GB compressed<sup>1</sup>
-  Superior performance – New positive engagement tape leader buckling mechanism and robust cartridge-shell material for greater load/unload performance
-  Solid reliability – Archival life of more than 30 years and durability in excess of 1,000,000 head passes

**COMPATIBILITY**

Media	Recording Format	Capacity (native)	SDLT 220	SDLT 320
Super DLTtape I	SDLT220	110GB	11MB/sec	11MB/sec
Super DLTtape I	SDLT320	160GB	N/A	16MB/sec

**TAPE CHARACTERISTICS**

Tape Type:	Advanced Metal Particle (AMP)
Overall Length:	1,833.5
Data Area Length (feet):	1,828
Tape Width:	0.498
Tape Thickness (µm):	8.75

**MAGNETIC PROPERTIES**

Coercivity (Oe):	1,900
Remanence (G):	3,000

**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:	Green

**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**

<b>Operating</b>	
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)
<b>Storage (non-archival)</b>	
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)
<b>Storage (archival)</b>	
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)

**WARRANTY**

Quantum Super DLTtape I 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.

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

**Model Numbers and Descriptions**

MR-SAMCL-01	Super DLTtape I Media Cartridge
MR-SAMCL-BC	Barcode Labeled Super DLTtape I Media Cartridge
MR-SACCL-01	SDLT Cleaning Cartridge
MR-SACCL-BC	Barcode Labeled SDLT Cleaning Cartridge

 For contact and product information, visit [quantum.com](http://quantum.com) or call **800-677-6268**

**Quantum**<sup>®</sup>

**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.