FUJIFILM
I&I – Imaging & Information

Super DLTtape™ I

A new standard in mid-range storage media

An ideal balance of high capacity and performance

Sturdy, durable design

High capacity, high transfer speeds

Backward compatibility and an established upgrade track

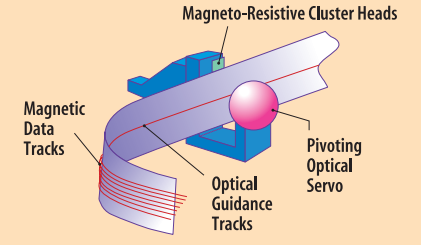
SUPER DLT TAPE™

Super DLTtape™I - the next big performance step for Fujifilm's proven DLTtape™ medium.

Fujifilm's new Super DLTtape™I data cartridge establishes a new standard in mid-range storage media. DLTtape™ drives and media are the de facto industry standard for the data backup and archiving demands of a whole range of users - from high-end workstations and department-level servers to enterprise-level storage systems. Now Fujifilm's Super DLTtape™I data cartridge represents a major step upward in performance and capacity - **320GB** compressed (160GB native), with transfer speeds of **32MB/sec** compressed (16MB/sec native) when used in the SDLT 320 tape drive. Plus the reliability and durability that our customers have come to depend on to protect their data investments.

An ideal balance of high-capacity and performance

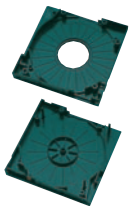
The high-capacity, high-accuracy performance of Fujifilm's Super DLTtape™I data cartridge is made possible by a number of technological innovations. **The Pivoting Optical Servo (POS)** combines high-density magnetic data recording with laser servo guidance to provide an order of magnitude track count increase over previous DLTtape™ products. **Laser Guided Magnetic Recording (LGMR)** combines the best of magnetic and optical recording technologies - the optical tracking is on the reverse side, so the entire front side of the tape can be used exclusively for data recording, another factor allowing more recording tracks. An **advanced tape-cutting mechanism** helps provide extremely stable media with for smooth lateral tape motion. With these innovations and the use of industry-acclaimed ATOMM technology, the birth of this revolutionary media, providing high reliability, high capacity (up to 320GB compressed), and high transfer rates (up to 32MB/s compressed), was made possible.

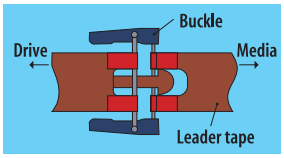


Laser Guided Magnetic Recording

Sturdy, durable design

Fujifilm's Super DLTtape™I data cartridge incorporates a newly designed cartridge with an **internal circular wall and structural ribbing,** creating a stiffer, sturdier case for safer handling and damage protection. The Super DLTtape™I data cartridge also utilizes a **positive engagement mechanism** - a highly robust tape leader-buckling mechanism designed for high duty-cycle automated environments - for safer, more accuate loading each and every time the tape is used.



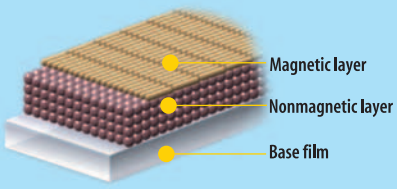


Backward compatibility

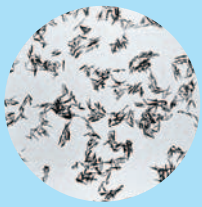
The Super DLTtape™ system is designed to build upon the enormous success of the DLTtape™ format, the most successful tape drive platform in history. Super DLTtapes™ will offer backward-read compatibility with DLTtape™ 4000, 7000 and 8000 series drives and Benchmark DLT™1, covering multiple generations of hardware and millions of existing data cartridges.

Fujifilm ATOMM technology

ATOMM (**A**dvanced Super **T**hin-Layer & High-**O**utput **M**etal **M**edia) is a proprietary Fujifilm technology that has changed the history of the magnetic recording industry. ATOMM incorporates a nonmagnetic lower layer and an ultra-thin upper layer of high-energy metal particles applied simultaneously to a base film, resulting in media with extremely low self-demagnetization, dramatically increased high-frequency output, and significantly higher recording density.



ATOMM's double layer structure



ATOMM's metal magnetic particles

Specifications

Super DLTtape™I Specifications			
Basic Specifications	Tape Drive	SDLT 220	SDLT 320
	Capacity (Native/Compressed)	110GB/220GB	160GB/320GB
	Transfer Rate (Native/Compressed)	11 / 22 MB/sec.	16 / 32 MB/sec.
	Number of Tracks	448	
	Cartridge Color	Green	
Physical Characteristics	Tape Width	12.65mm	
	Tape Thickness	9μm	
	Tape Length	564m	
	Cartridge Dimensions (L x W x H)	105.8 x 105.4 x 25.4mm	
Operating Environmental Conditions	Temperature	10 - 40°C	
	Humidity	20 - 80% (No Dew Condensation)	
	Max. Wet Bulb Temperture	26°C	
Archival Environmental Conditions	Temperature	16 - 32°C	
	Humidity	20 - 80% (No Dew Condensation)	
	Max. Wet Bulb Temperature	26°C	

Note: Specifications are subject to change without notice.

Super DLTtape, SuperDLT logo, DLT, DLTtape, and the DLTtape logo are trademarks of Quantum Corporation.

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