

DLTTMtape IV

Reliable, high-capacity storage and long archival life

High speed data retrieval

Lower head wear, increased tape durability

Lowered error rates

Strict quality control

High capacity

high transfer speeds

Compatible with future DLTTM drives



 **FUJIFILM**

DLTTM DLTtapeTM IV
12.65mm Data Tape
40/70/80_{GB}



CAPACITY (GB)
40GB on DLTTM 4000 (2:1 compression)
70GB on DLTTM 7000 (2:1 compression)
80GB on DLTTM 8000 (2:1 compression)



ATOMM technology and DLTtape™ – a new dimension in high-capacity storage

This is the answer to the high-capacity storage and archiving needs of mid-range systems, network servers and high-end workstations. Native capacity of up to 40GB on a single tape combined with sustained transfer speeds of 6MB/second provide the performance essential to data-intensive applications, while Fujifilm's industry-leading technology delivers the durability and reliability you need to protect your data investment.

High capacity, high transfer speeds

Fujifilm's ATOMM tape offers the highest capacity of any 5.25" form factor tape product: up to 40GB (80GB with 2:1 data compression) for the DLT™ 8000. This huge capacity is made possible by a high track density of 208 tracks (on 1/2" DLT™ 8000 tape) and ATOMM technology for extremely high density recording. Sustained transfer speeds are up to 6MB per second (12MB with 2:1 compression), realized through a head system capable of multiple synchronous read/write channels (two for the DLT™ 4000, four for the DLT™ 7000 and DLT™ 8000).

Lowered error rates

Lateral fluctuation in tape position is a major cause of error rates. Fujifilm's advanced manufacturing and tape-slitting technology keeps these fluctuations to within just a few microns, resulting in a hardware-attributable error rate of just 1 bit per 10¹⁷ bytes. The actual software error rate is further reduced to only 1 error per 10²⁷ bytes, with error detection and automatic write function to record any errors that do occur.

Lower head wear, raised tape durability

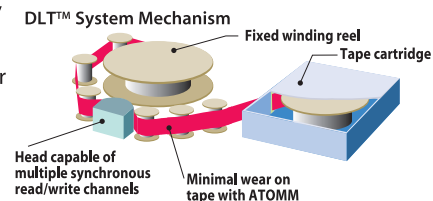
ATOMM's smooth surface and long-lasting lubricant keep head wear to a minimum, assuring a head life of over 30,000 hours. Tape durability is outstanding, with an average life of over one million passes.

High speed data retrieval

The DLT™ system keeps a log index at the head of the tape, allowing extremely high-speed data retrieval. However this requires a large amount of tape shuttling, placing added strain on the tape. And this is yet another reason to choose highly durable Fujifilm DLTape™.

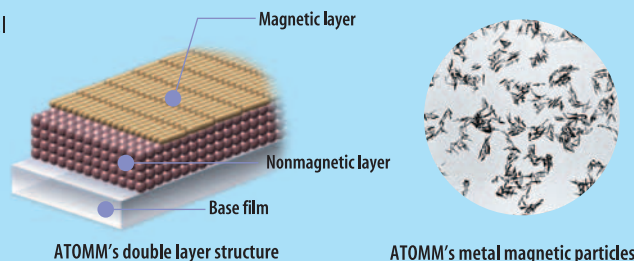
Compatible with future DLT™ drives

DLTape™ cartridge is specifically designed for read compatibility with future generations of DLT™ drives – so the data you archive today will be accessible tomorrow, and for years to come.



ATOMM technology

ATOMM (Advanced Super Thin-Layer & High-Output Metal Media) features a nonmagnetic lower layer and an ultra-thin upper layer of high-energy metal particles simultaneously applied to a base film. This unique configuration results in extremely low self-demagnetization and dramatically increased high frequency output, allowing significantly higher recording density.



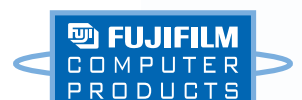
Specifications

		DLT™ 4000	DLT™ 7000	DLT™ 8000	DLT™ 1	
Basic Specifications	Formatted Capacity (2:1 compression)	20GB (40GB)	35GB (70GB)	40GB (80GB)		
	Sustained Transfer Rate (2:1 compression)	1.5MB/sec.(3MB/sec.)	5MB/sec.(10MB/sec.)	6MB/sec.(12MB/sec.)	3MB/sec.(6MB/sec.)	
	Tracks (Serpentine)	128 tracks	208 tracks		168 tracks	
	Recording Density	3241 bpmm	3399 bpmm	3874 bpmm	4862 bpmm	
	Track Density	256tpi	416tpi		336tpi	
	Hard Error Rate	1 x 10 ¹⁷ bits (1 time/read cycle)				
	Non-detect Error Rate	1 x 10 ²⁷ bits (1 time/read cycle)				
Physical Characteristics	Media Durability (Nominal)	1,000,000 passes				
	Tape Width (Nominal)	12.65mm				
	Tape Thickness (Nominal)	9µm				
	Tape Length (Nominal)	557m				
	Dimensions (Nominal)	105.8mm x 105.4mm x 25.4mm				
Operating Environment	Temperature	10°C - 40°C				
	Humidity	20% - 80% (No dew condensation)				
Storage Environment	Temperature	16°C - 32°C				
	Humidity	20% - 80% (No dew condensation)				
Transportation Environment (Archival)	Temperature	5°C - 32°C				
	Humidity	5% - 80% (No dew condensation)				
	Max Wet Bulb Temperature	26°C				
Transportation Environment (Non-archival)	Temperature	-23°C - 48°C				
	Humidity	5% - 100% (No dew condensation)				
	Max Wet Bulb Temperature	26°C				

Note: Specifications are subject to change without notice. DLT, DLTape, and the DLT logo are trademarks of Quantum Corporation.



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