



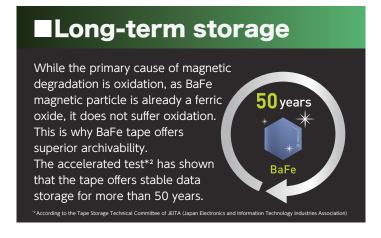
LTO Ultrium 9

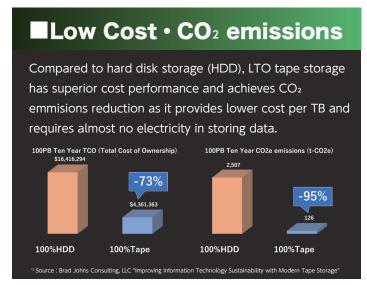
Max Capacity: 45TB (18TB uncompressed)
Max Transfer Rate: 1,000MB/sec
(400MB/sec uncompressed)

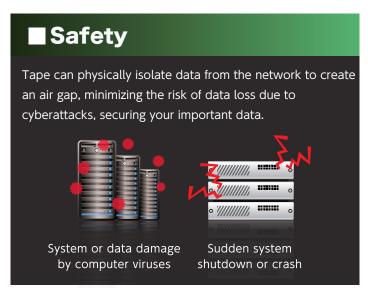
Magnetic tapes are attracting an increasing attention as storage media that provides long-term storage of large-capacity data safely at low cost. In addition, it has a significantly lower environmental impact as there is no need to have it constantly powered on during data storage, thereby mitigating the amount of CO₂ emissions generated during data storage by 95%¹compared to hard disk drives. The high capacity, achieved in "FUJIFILM LTO Ultrium9", caters to the surging data storage demand amidst the rapid development of IoT technology and acceleration of Digital Transformation, and contributes to mitigating CO₂ emissions, an urgent task that must be addressed globally.



BaFe magnetic particles measuring only about 20nm, allowing a large number of particles to be laid on the same surface. This significantly increases an areal recording density, thereby dramatically boosting the tape's storage capacity. Barium Ferrite (BaFe) Barium Ferrite (BaFe) 20nm









Media / drive compatibility O:Read / write △:Read only (no writing) ×:No read / write									
		G4 drive	G5 drive	G6 drive	G7 drive	G8 drive	G9 drive		
	G4	0	0	Δ	×	×	×		
	G5	×	0	0	Δ	×	×		
Media	G6	×	×	0	0	×	×		
	G7	×	×	×	0	0	×		
	G8	×	×	×	×	0	0		
	G9	×	×	×	×	×	0		

Main sp	pecifications of	f LTO cartridges							
		LTO CL*	LTO G4/G4 WORM	LTO G5/G5 WORM	LTO G6/G6 WORM	LTO G7/G7 WORM	LTO G8/G8 WORM	LTO G9/G9 WORM	
Basic	Capacity (Max compression)	-	800GB(1.6TB)	1.5TB(3.0TB)	2.5TB(6.25TB)	6TB(15TB)	12TB(30TB)	18TB(45TB)	
	Data transfer rate (Max compressed) "Depends on the drive interface.	-	120M/s (240MB/s)	140MB/s (280MB/s)	160MB/s (400MB/s)	300MB/s (750MB/s)	360MB/s (750MB/s)	400MB/s (1,000MB/s)	
	Number of tracks	_	896(16 track head serpentine)	1,280(16 track head serpentine)	2,176(16 track head serpentine)	3,584(32 track head serpentine)	6,656 (32 track head serpentine)	8,960 (32 track head serpentine)	
specifications	Servo method	_							
	Cartridge memory	32,786 bits (4,096 bytes); internal EEPROM with electromagnetic induction antenna	65,280 bits (8,160 bytes); internal EEPROM 130,816 bits (16,352 bytes); internal EEPROM tic with electromagnetic induction antenna with electromagnetic induction antenna					261,888 bits (32,736 bytes); internal EEPROM with electromagnetic induction antenna	
	Tape with	12.65mm							
Physical specifications	Tape thickness	8.9 μ m	6.6 μ m	6.4 μ m	6.1 μ m	5.6 μ m		5.2 μ m	
	Tape length	319m	820m	84	6m	960m		1,035m	
	Cartridge dimensions	H102.0 x W105.4 x D21.5mm							
Recommended	Temperature	10~45℃							
operation	Humidity	10~80%RH							
environment	Max wet-bulb/dew-point temperature	26°C (Max wet-bulb)							
Recommended	Temperature	16~35°C (short-term) / 16~25°C (long-term)							
storage	Humidity(short/long-term)	20~80%RH (short-term) / 20~50%RH (long-term)							
environment	Max wet-bulb/dew-point temperature	200 (Max Nec Sub)							
Allowable operation environment	Temperature	10~45°C							
	Humidity	10~80%RH							
	Max wet-bulb/dew-point temperature	26°C (Max wet-bulb)							
Allowable storage environment	Temperature	16~35°C (short-term) / 16~25°C (long-term)							
	Humidity(short/long-term)	20~80%RH (short-term) / 20~50%RH (long-term)							
	Max wet-bulb/dew-point temperature	26℃ (Max wet-bulb)							
Physical specifications	Encryption support	×	0	0	0	0	0	0	
	LTFS support	×	×	0	0	0	0	0	

* The cleaning cartridge is universally usable for all G2/3/4/5/6/7/8/9 drives. (Some exceptions may apply.)

Lineup of LTO data cartridges								
	LTO G4	LTO G5	LTO G6	LTO G7	LTO G8	LTO G9		
Model number	LTO FB UL-4 800G U	LTO FB UL-5 1.5T J	LTO FB UL-6 2.5T J	LTO FB UL-7 6.0T J	LTO FB UL-8 12.0T J	LTO FB UL-9 18.0T		
JAN code	4547410 019100	4547410 119169	4547410 237061	4547410 316971	4547410 364828	4547410 441239		

Lineup of WORM-type and cleaning cartridges										
	LTO CL	LTO G4 WORM	LTO G5 WORM	LTO G6 WORM	LTO G7 WORM	LTO G8 WORM	LTO G9 WORM			
Model number	LTO FB UL-1 CL UCC J	LTO FB UL-4WORM 800G U	LTO FB UL-5WORM 1.5T J	LTO FB UL-6WORM 2.5T J	LTO FB UL-7WORM 6.0T J	LTO FB UL-8WORM 12.0T J	LTO FB UL-9WORM 18.0T			
JAN code	4902520 241603	4547410 019193	4547410 119183	4547410 237078	4547410 316995	4547410 364835	4547410 441246			

- •Linear Tape-Open, LTO, LTO logo, Ultrium and Ultrium logo are registered trademarks of Hewlett Packard Enterprise, International Business Machines Corp. and Quantum Corporation in the US and other countries.
- Specifications are subjected to change without notice. This product catalogue is correct and accurate as of September 2021.

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