## FUJIFILM Value from Innovation



## LTO Ultrium 8

Capacity: 12TB (30TB compressed)
Maximum transfer rate: 360MB/sec

(750MB/sec compressed)

**Barium Ferrite** 

Internet of Things, Information and Communication Technology, and utilization of Artificial Intelligence for Big Data analysis, the amount of data generated globally continues to increase exponentially with the ongoing digital transformation and expansion of high resolution 4K / 8K video. There is also an acceleration to actively leverage Big Data while keeping it in secured and cost-effective storage for the long term. FUJIFILM LTO Ultrium 8 (LTO8) is a new-generation storage medium that meets such needs from the market. FUJIFILM's proprietary technology has achieved twice the recording capacity of LTO7, resulting in greater efficiency to store and utilize the data.

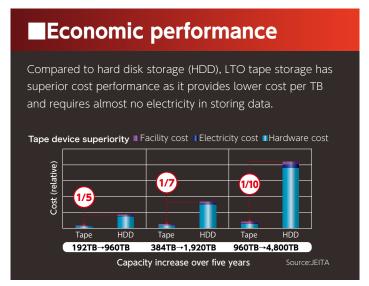


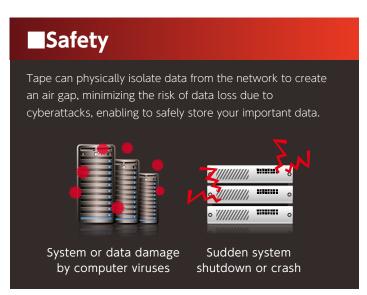
## BaFe magnetic particles measuring only about 20nm, allowing a large number of particles to be laid on the same surface. This significantly increases an areal recording density, thereby dramatically Barium Ferrite (BaFe)

boosting the tape's storage

capacity.

## While the primary cause of magnetic degradation is oxidation, as BaFe magnetic particle is already a ferric oxide, it will not suffer oxidation. This is why BaFe tape offers superior archivability. FUJIFILM's accelerated test has shown that the tape offers stable data storage for more than 50 years.







Media / drive compatibility O:Read / write △:Read only (no writing) ×:No read / write								
		G2 drive	G3 drive	G4 drive	G5 drive	G6 drive	G7 drive	G8 drive
	G2	0	0	Δ	×	×	×	×
	G3	×	0	0	Δ	×	×	×
Media	G4	×	×	0	0	Δ	×	×
Ivieuia	G5	×	×	×	0	0	Δ	×
	G6	×	×	×	×	0	0	×
	G7	×	×	×	×	×	0	0
	G8	×	×	×	×	×	×	0

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Main s	pecifications of LTO carti	ridges								
		LTO CL*	LTO G2	LTO G3/G3 WORM	LTO G4/G4 WORM	LTO G5/G5 WORM	LTO G6/G6 WORM	LTO G7/G7 WORM	LTO G8/G8 WORM	
	Capacity (maximum compression)	_	200GB(400GB)	400GB(800GB)	800GB(1.6TB)	1.5TB(3.0TB)	2.5TB(6.25TB)	6TB(15TB)	12TB(30TB)	
	Maximum data transfer rate (compressed)	_	40MB/s (80MB/s)	80MB/s (160MB/s)	120M/s (240MB/s)	140MB/s (280MB/s)	160MB/s (400MB/s)	300MB/s (750MB/s)	360MB/s (750MB/s)	
Basic specifications	Number of tracks	_	512 (8 track head serpentine)	704(16 track head serpentine)	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)	
	Servo method	_			Timing-based servo					
	Cartridge memory		(4,096 bytes); internal EEPROM romagnetic induction antenna		65,280 bits (8,160 bytes); internal EEPROM with electromagnetic induction antenna		130,816 bits (16,352 bytes); internal EEPROM with electromagnetic induction antenna			
	Tape width	12.65mm								
Physical	Tape thickness	8.9 $\mu$ m	8.9 $\mu$ m	8.0 $\mu$ m	6.6 $\mu$ m	6.4 μ m	6.1 μ m	5.6μm		
specifications	Tape length	319m 609m 680m 820m 846m				96	60m			
	Cartridge dimensions	H102.0 x W105.4 x D21.5mm								
	Temperature	10~45°C								
Operating conditions	Humidity	10∼80%RH (No condensation)								
Conditions	Maximum wet-bulb temperature	26℃								
	Temperature (short-term / long-term)	16~35°C/16~25°C								
Storage	Humidity (short-term / long-term)	20~80%RH/20~50%RH (No condensation)								
Conditions	Maximum wet-bulb temperature	26℃								
Supported	Encryption support	×	×	×	0	0	0	0	0	
system	LTFS support	×	×	×	×	0	0	0	0	

The cleaning cartridge is universally usable for all 2/3/4/5/6/7/8 drives. (Some exceptions may apply.)

Lineup of LTO data cartridges								
	LTO G2	LTO G3	LTO G4	LTO G5	LTO G6	LTO G7	LTO G8	
Model number	LTO FB UL-2 200G J	LTO FB UL-3 400G J	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	
JAN code	4902520 249975	4902520 273703	4547410 019100	4547410 119169	4547410 237061	4547410 316971	4547410 364828	

Lineup of WORM-type and cleaning cartridges								
	LTO CL LTO G3 WORM LTO G4 WORM LTO G5 WORM LTO G6 WORM LTO G7 WORM LTO G8 WOR							
Model number	LTO FB UL-1 CL UCC J	LTO FB UL-3WORM 400G 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	
JAN code	4902520 241603	4902520 274465	4547410 019193	4547410 119183	4547410 237078	4547410 316995	4547410 364835	

Linear Tape-Open, LTO, LTO logo, Ultrium and Ultrium logo are registered trademarks of Hewlett Packard Enterprise, IBM Corp. and Quantum Corporation in the US and other countries. Specifications are subject to change without notice. This product catalogue is correct and accurate as of September 2019.

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