

General specifications of LTO cartridge									
		LTO G2	LTO G3/G3 WORM	LTO G4/G4 WORM	LTO G5/G5 WORM	LTO G6/G6 WORM	LTO G7/G7 WORM	LTO CL*	
Basic specifications	Capacity (at maximum compression)	200GB(400GB)	400GB(800GB)	800GB(1.6TB)	1.5TB(3.0TB)	2.5TB(6.25TB)	6.0TB(15.0TB)	—	
	Transfer rate (at maximum compression)	40 MB/s (80 MB/s)	80 MB/s (160 MB/s)	120 MB/s (240 MB/s)	140 MB/s (280 MB/s)	160 MB/s (400 MB/s)	300 MB/s (750 MB/s)	—	
	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(16 track head serpentine)	—	
	Servo method	Timing-based servo							—
Durability	Archival life	30 years							—
	Tape width	12.65mm							—
Physical specifications	Tape thickness	8.9µm	8.0µm	6.6µm	6.4µm	6.1µm	5.6µm	—	
	Tape length	609m	680m	820m	846m			319m	
	Cartridge dimensions	H102.0 × W105.4 × D 21.5 mm							—
Operating conditions	Temperature	10-45°C							—
	Humidity	10-80% RH (no dew condensation)							—
	Maximum wet-bulb temperature	26°C							—
Storage conditions	Temperature(short-term/long-term)	16-35°C/16-25°C							—
	Humidity(short-term/long-term)	20-80% RH / 20-50% RH (no dew condensation)							—
	Maximum wet-bulb temperature	26°C							—
Supported system	Encryption support	x	x	o	o	o	o	x	
	LTFs support	x	x	x	o	o	o	x	

*The cleaning cartridge is universally usable for all G1/2/3/4/5/6/7 drives. (Some exceptions may apply.)

Line-up of LTO data cartridge

	LTO G2	LTO G3	LTO G4	LTO G5	LTO G6	LTO G7
Model No.	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
JAN Code	4902520 249975	4902520 273703	4547410 019100	4547410 119169	4547410 237061	4547410 316971

Line-up of WORM type cartridge and cleaning cartridge

	LTO G3 WORM	LTO G4 WORM	LTO G5 WORM	LTO G6 WORM	LTO G7 WORM	LTO CL
Model No.	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-1 CL UCC J
JAN Code	4902520 274465	4547410 019193	4547410 119183	4547410 237078	4547410 316995	4902520 241603

Unique services to support the effective use of LTO tape

Media Health Check Service

This is a service to check the condition of a customer's LTO tapes using a cartridge analyzer and Fujifilm's original diagnostic software. The system analyzes cartridge memory information and helps to identify the main cause for any problems that are occurring. It also contributes to the prevention of major problems that may occur in the future.



*Supports LTO G1 to G6. LTO G7 to be released soon.

LTO Barcode Label Printing Service

We provide a service to print adhesive barcode labels for identifying LTO tapes. The printed labels can be attached to the product before shipping. Please contact us for more information.



LTO Eco Pack

Simple packaging of 20 tape cartridges per box, without individual packaging of tapes (no hard case or shrinkwrap). Contributes to improved work efficiency, space saving, and reduced waste.



LTO tape
×20
cartridges
(4 5-cartridge packs)



● Linear Tape-Open, LTO, LTO logo, Ultrium and Ultrium logo are trademarks of Hewlett Packard Enterprise, IBM and Quantum registered in the US and/or other countries.
● Specifications are subject to change without notice. ● This product catalogue is correct and accurate as of November 2015.

For any inquiries, please contact us:

FUJIFILM
Value from Innovation

TAPE SAVED YOUR FUTURE

Advanced magnetic tape protecting the future of big data



Barium Ferrite
Reliable Technology and Performance



New generation of LTO tape

FUJIFILM
LTO Ultrium 7

NEW

For smarter data protection

Ultra-high capacity. High performance transfer rate. The seventh generation of LTO tape enhances the efficiency of data storage and use.

LTO tape has been attracting attention as a highly reliable storage medium and has now evolved to the seventh generation. Based on Barium Ferrite (BaFe) magnetic particles that have already demonstrated recording stability in LTO Ultrium 6, LTO Ultrium 7 has now increased the recording capacity to "15.0 TB compressed capacity (6.0 TB native capacity), 2.4 times that of LTO Ultrium 6, by using Fujifilm's advanced technology to enhance the density. The new LTO 7 is also capable of a high transfer rate of "750 MB/second" (300 MB/second native), 1.9 times the conventional speed. These dramatic increases in capacity and speed make it possible to store data with higher efficiency and at a lower cost.

TAPE SAVED YOUR FUTURE

FUJIFILM LTO Ultrium 7



Evolution of "LTO Ultrium 7" to be noted

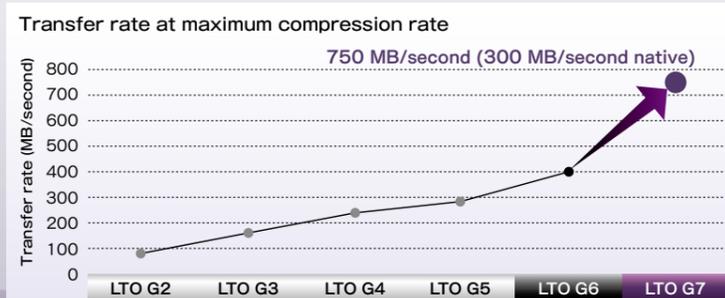
Capacity as high as 15 TB saves space

Like its predecessor, LTO 6, LTO Ultrium 7 employs BaFe magnetic particles that Fujifilm successfully put into commercial use for the first time. In addition, a capacity as high as 15.0 TB (6.0 TB native capacity) or 2.4 times larger than before has been achieved through optimization of material design through measures such as an "even application of magnetic particles". A huge amount of data can be stored with less media than hard disks or previous generations of LTO, making it possible to create space-saving storage.



Transfer rate as high as "750 MB/second" contributes to enhanced work efficiency.

As the recording density has improved, the transfer rate has risen to "750 MB/second" (300 MB/second native), almost two times that of the media in the past. Data can be efficiently managed because it can be written or read more quickly than before. The transfer rate of LTO tapes can be expected to increase in the future.



Three big advantages of LTO tape

Save COST

Economical

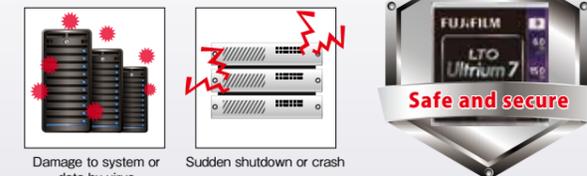
The new LTO tape can save data over 30 years or longer with its high capacity. Tape storage excels in cost-effectiveness in that its per-capacity price is low and that it hardly consumes power to save data. The total cost of backing up 28 TB a year or 140 TB over 5 years can be kept to about 1/4 compared to hard disk.



Save DATA

Safety

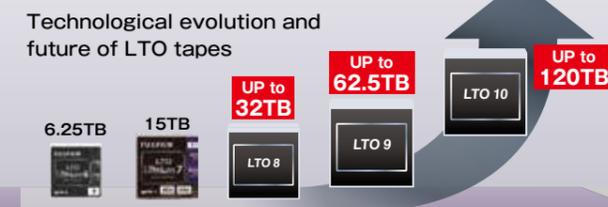
Tape media that can be managed offline and is portable is ideal for storage at a remote location. It has little risk of being damaged or losing data due to a system failure or virus, meaning important data can be saved safely and securely.



Save FUTURE

Future road map

Magnetic tapes are expected to increase in capacity in the future as high-density recording is pursued. At present, a road map toward 120 TB (LTO 10) is planned for LTO tapes.



Barium Ferrite

Barium Ferrite (BaFe) magnetic particles back-up the evolution of LTO tape

High-density recording

BaFe magnetic particles are as tiny as about 20 nm. Therefore, these magnetic particles can be laid down on the same surface in higher quantity than conventional magnetic particles. As a result, the surface recording density can be much higher than conventional magnetic particles. This means that the capacity of the tape can be dramatically increased.



Long-term storage

The BaFe magnetic particle, whose main ingredient is iron oxide, is free from "oxidation" which is the main cause of degradation of tape. This makes BaFe tape suitable for long-term storage. An accelerated life test conducted by Fujifilm indicated that BaFe tape can stably store data for 30 years or more.



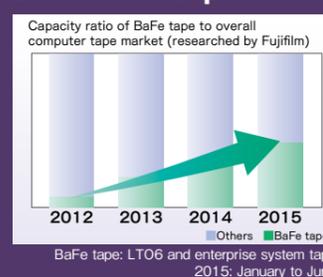
Barium Ferrite

Performance and future of Fujifilm's BaFe tape

Market performance of BaFe tape

Magnetic tapes employing BaFe magnetic particles have been increasing their share of computer tapes in recent years in terms of capacity.

All of these are Fujifilm's BaFe tapes.



Technology for recording 220 TB established

Fujifilm in conjunction with IBM demonstrated the ability to store 220 TB native capacity on a standard size data cartridge in April of 2015 proving the long term viability of BaFe tape.

