



LTO Ultrium Data Cartridge Generation 4



FUJIFILM



High Capacity of 1.6тв. Amazing Transfer Rates of up to 240мв/sec.





WORM is also available
WORM (Write Once Read Many)

The Linear Tape-Open Ultrium (LTO) data cartridge now reached to its latest generation 4.

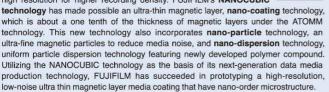


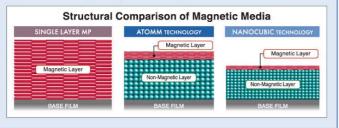
The high capacity of 1.6TB and transfer rates of up to 240MB/sec.

FUJIFILM LTO Ultrium Gen 4 data cartridge will be the first midrange product to use FUJIFILM NANOCUBIC thin-layer coating technology to reach the higher capacity and quality levels currently found in enterprise-class storage media.

NANOCUBIC Technology

Although the ATOMM technology made submicron metal coating possible, much thin magnetic layer was necessary in order to achieve high resolution for higher recording density. FUJIFILM's NANOCUBIC





WORM is also available

WORM (Write Once Read Many) functionality provides a cost-effective means for storing data in non-rewriteable format to help address compliance requirements.



FUJIFILM Servo Technology

LTO Ultrium technology relies heavily on timing-based, high-precision servo control to achieve its remarkable performance levels. LTO Ultrium data cartridge uses dual servo tracks that have been precisely written along the entire length of each of its four data bands, for extremely fine placement control and redundancy in the event of tape damages.

High capacity and amazing transfer rates

FUJIFILM's NANOCUBIC technology realized LTO G4 data cartridge to have the capacity of 1.6TB (at 2:1 compression; 800GB native) by recording 896 tracks within 12.65mm tape width. Also with the utilization of multi-channel recording technology, LTO G4 data cartridge featured transfer rates of up to 240MB/sec. (at 2:1 compression; 120MB/sec. native).

Enhanced durability

NANOCUBIC technology improves the smoothness of tape-surface, which helps extend the head-lifetime and outputs high durability by the decrease of error even in rigorous use.

Encrypted For Security

LTO Gen 4 systems will introduce for the first time to midrange tape storage the Advanced Encryption Standard (AES) 256-bit encryption algorithms to keep data secure. The hardware-based AES 256-bit encryption capability of the new Gen 4 format offers higher level of security during storage and transporting of sensitive information.

Media / Drive Compatibility

		Drive				
		Ultrium 1	Ultrium 2	Ultrium 3	Ultrium 4	
Media	Ultrium 1	0	0	Δ	×	
	Ultrium 2	×	0	0	Δ	
	Ultrium 3	×	×	0	0	
	Ultrium 4	×	×	×	0	

FB LTO G4 / G4 WORM -Specification-

		LTO FB UL-1 100GB	LTO FB UL-2 200GB	LTO FB UL-3 400GB	LTO FB UL-4 800GB	LTO FB UL-4WORM 800GB	Universal Cleaning Cartridge*	
Basic Specifications	Capacity (Native / Compressed)	100GB (200GB)	200GB (400GB)	400GB (800GB)	800GB (1,600GB)		=	
	Transfer Rate (Native / Compressed)	Up to 20MB/sec. (Up to 40MB/sec.)	Up to 40MB/sec. (Up to 80MB/sec.)	Up to 80MB/sec. (Up to 160MB/sec.)	Up to 120MB/sec. (Up to 240MB/sec.)		-	
	Number of Tracks	384	512	704	896			
	Servo Method		<u>~</u>					
	Cartridge Memory	32,768 bits (4,096 bytes) ; Internal EEPROM			65,280bits (8,160bytes) ; Internal EEPROM		32,768 bits (4,096 bytes); Internal EEPROM	
	Encryption function	,=,			0		=	
	Media Durability (Nominal)		#:					
	Estimated Archival Life		-					
Physical Characteristics	Tape Width							
	Tape Thickness	8.9 µm		8.0 µm	6.6 µm		=	
	Tape Length	609m		680m	820m		319m	
	Cartridge Dimensions (HxWxD)							
Operating Environmental Conditions	Temperature	10-45°C						
	Humidity							
	Max. Wet Bulb Temperature							
Archival Environmental Conditions	Temperature							
	Humidity							
	Max. Wet Bulb Temperature							

Note: Specifications are subjected to change without notice.
*The universal cleaning cartridge is capable of being used in all generation 1/2/3/4 Ultrium format tape drives. Specific revisions of firmware may be required for proper operation.



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