SONY
make.believe

Sony Storage Media

LTO Ultrium 6 Format
Sony Technology innovations deliver greater reliability to LTO Ultrium Generation 6 data cartridge.

ULTRIUM LTO 6

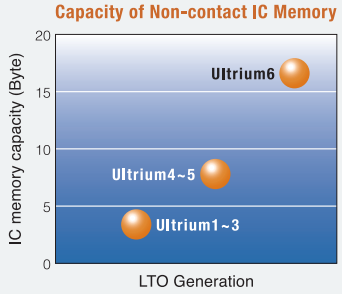
LTO Ultrium 6

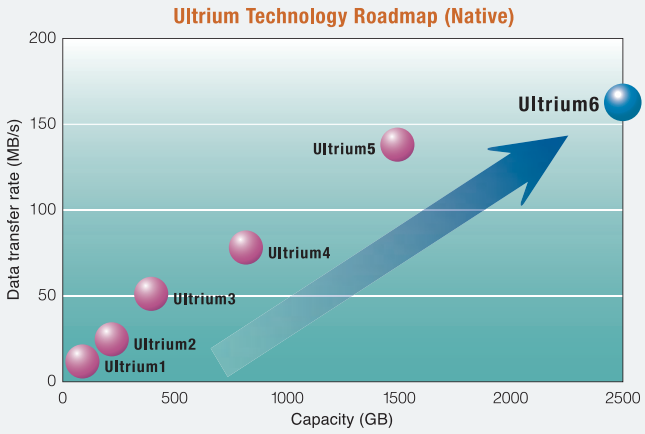
Performance breakthrough : 6.25TB compressed capacity with 400MB/s transfer speed

Sony has made breakthrough thin-layer coating, surface smoothing process and particle innovations in order to reliably deliver the LTO-6 data cartridge's impressive 2.5TB native and 6.25TB compressed recording capacity.

Doubled capacity of the robust, non-contact IC Memory

LTO-6 data cartridges incorporate non-contact 16KB IC memory with twice the capacity of the previous generation. LTO-6 data cartridges enable high-speed data search and improved data management in libraries with the additional IC memory capacity.





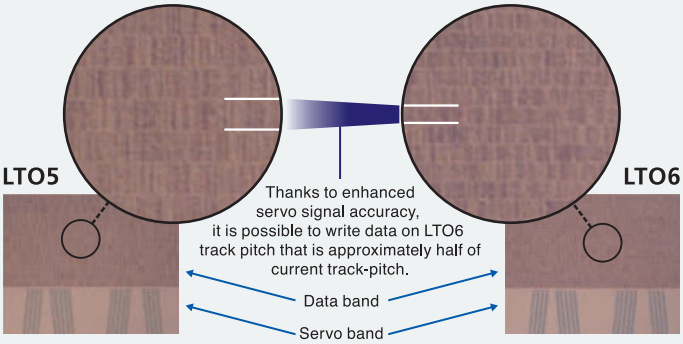
1/2" DATA CARTRIDGE

Improved reel structure that enhances tape to head interface.

Sony's technology improvements significantly increase the stability of the rotating tape reel which enables stable, high-speed linear tape motion, necessary to realize the higher capacity and increased transfer speed of LTO-6 data cartridges.

Enhanced servo signal accuracy and improved linear tape motion

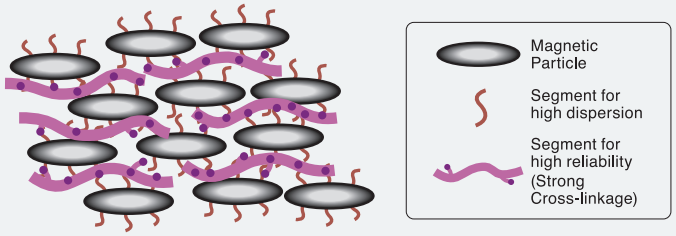
Enhanced servo writing technology and improved linear tape motion enables narrower tracks to be written and read accurately, resulting in higher recording density.
In addition, Sony conducts 100% servo signal quality testing in order to provide our customers with confidence in using Sony LTO-6 data cartridges.



Improved binder system for more stable operation

To provide enhanced tape durability and reliability, Sony LTO-6 tape utilizes an improved, Cross-linked Binder System which provides superior wear–resistance characteristics in addition to accommodating the super-fine magnetic particles.
The improved, robust magnetic layer can withstand more than tens of thousands of drive passes providing the user with stable and smooth operation under various environmental conditions.

Strong Cross-linkage Binder System



Drive/Media Compatibility

Model	Format	Drive Type					
		LTO1	LTO2	LTO3	LTO4	LTO5	LTO6
LTX100G	LTO1	Write/Read	Write/Read	Read	–	–	–
LTX200G/20LTX200GLP	LTO2	–	Write/Read	Write/Read	Read	–	–
LTX400G/LTX400W/20LTX400GLP	LTO3	–	–	Write/Read	Write/Read	Read	–
LTX800G/LTX800W/20LTX800GLP	LTO4	–	–	–	Write/Read	Write/Read	Read
LTX1500G/LTX1500W/20LTX1500GL	LTO5	–	–	–	–	Write/Read	Write/Read
LTX2500G	LTO6	–	–	–	–	–	Write/Read

Mechanical Characteristics	LTX2500G		
Recording Capacity (*Compressed)	2.5TB (*6.25TB)	Coercivity (kA/m)	230
Maximum Data Transfer Rate (*Compressed)	160MB/s (*400MB/s)	Electric Resistivity (Magnetic Coating:Ω/sq)	$5x10^5$
Tape Width (mm)	12.65	Electric Resistivity (Backcoating:Ω/sq)	$1x10^4$
Tape Thickness (mm)	6.4	Built-in IC Memory (Byte)	16,352
Tape Length (m)	846	Number of Data Tracks	2,176

The actual capacity, compression ratio and data transfer rate may very depending on equipment, software usage, environments and data. 1TB = 1trillion bytes *Compression ratio 2.5:1

Dimensions and Weight

- Cartridge Dimensions (mm) : 102.0x105.4x21.5
- Weight (g) : 203 (Cartridge)

Environmental Requirements

- Operation Conditions (°F(°C);%RH) : 50~113 (10~45);10~80*
- Storage Conditions (Short term)(°F(°C);%RH) : 60~95 (16~35);20~80*
- Storage Conditions (Archive)(°F(°C);%RH) : 60~77 (16~25);20~50*
- Transportation Conditions (°F(°C);%RH) : -9~120 (-23~49);5~80*

*Maximum wet bulb temperature : No condensation at 79°F(26°C).

LTO Ultrium 6

1/2" DATA CARTRIDGE

For more Information, visit our website at
http://www.sony.co.jp/datamedia