

Sony LTO6 Storage Media

Designed to support the increasing
storage capacity requirements

New technology innovations to deliver
enhanced reliability and performance
for businesses with critical data storage
and archival needs



Key benefits

- High storage capacity: 2.5TB native, 6.25TB* compressed
- Transfer rate: 160MB/s native, 400MB/s* compressed
- Doubled capacity of the robust, non-contact IC Memory: 16KB (2X the capacity of the previous generation) to feature high-speed data search and improved data management in libraries
- Partitioning functionality enabling capabilities that can help enhance file control and space management
- The ideal solution for Radio Frequency Identification (RFID) labels
- First class services (labeling, European technical Centre, Data Recovery, Tape media health analysis)
- Lifetime Guarantee**

* Compression ratio 2.5 :1

** Media estimated lifetime to be advised by Sony. This guarantee applies on products purchased as of 2005 in EEA countries, Russia and Turkey. For complete Lifetime Guarantee conditions, please refer to www.pro.sony.eu/storage-media, Storage Media services section.



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)

Sony LTO6 Storage Media

To deliver its LTO6 media with outstanding performance and reliability, Sony has developed various technology innovations.

Improved reel structure to enhance 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 LTO6 media.

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.

Sony additionally conducts 100% servo signal quality testing.

Improved binder system for more stable operation

To provide enhanced tape durability and reliability, Sony LTO6 is manufactured with super-fine particles and a higher thermal stability binder. In order to maximize performance, an improved dispersing technology for these particles was introduced.

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.

Drive/Media compatibility

| Model | Format | Drive | | | | | |
|--|--------|------------|------------|------------|------------|------------|------------|
| | | LTO1 | LTO2 | LTO3 | LTO4 | LTO5 | LTO6 |
| LTX100G | LTO1 | Read/Write | Read/Write | Read | - | - | - |
| LTX200G/ 20LTX200GLP | LTO2 | - | Read/Write | Read/Write | Read | - | - |
| LTX400G/LTX400W/ 20LTX400GLP | LTO3 | - | - | Read/Write | Read/Write | Read | - |
| LTX800G/LTX800W/ 20LTX800GLP | LTO4 | - | - | - | Read/Write | Read/Write | Read |
| LTX1500G/ LTX1500W/ 20LTX1500GLP | LTO5 | - | - | - | - | Read/Write | Read/Write |
| LTX2500G* | LTO6 | - | - | - | - | - | Read/Write |

* Library pack to be available by April 2013

LTX2500G : Mechanical characteristics

| | |
|--|----------------------|
| Recording capacity (*compressed) | 2.5TB (*6.25TB) |
| Maximum Data Transfer Rate (*compressed) | 160MB/s (*400MB/s) |
| Tape Width (mm) | 12.65 |
| Tape Thickness (mm) | 6.4 |
| Tape Length | 846 |
| Magnetic material | Metal Particule (MP) |
| Coercivity (kA/m) | 230 |
| Electric Resistivity (Magnetic Coating:Ω/sq) | 5x10 ⁵ |
| Electric Resistivity (Backcoating:Ω/sq) | 1x10 ⁴ |
| Built-in IC Memory (Byte) | 16,352 |
| Number of Data Tracks | 2,176 |

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

SONY

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www.pro.sony.eu/storage-media

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