

LTO ULTRIUM 1

More reliable and durable than ever.
200GB compressed capacity.



200GB compressed storage capacity

Using 384 tracks in four data bands of 96 tracks each, LTO1 achieves 100GB native and 200GB compressed data storage capacity.

40MB/s rapid data transfer

Advanced data compression technology achieves rapid transfer rates of 10-20MB/s native, and 20-40MB/s compressed.

Built-in memory for high-speed access

For accelerated access to any file on the cartridge, a built in 4KB IC memory chip keeps track of data location and error information. This also speeds up cartridge access in data library environments.



Ultra-thin coating technology

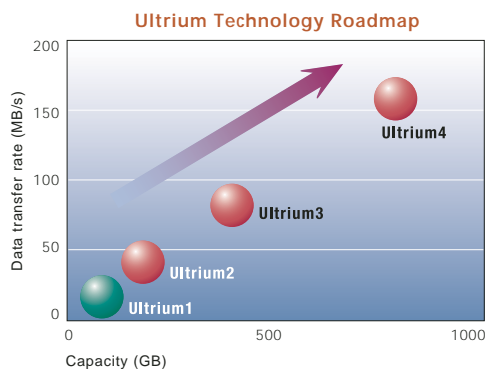
Ultra-thin 2-layer coating technology forms a more reliable and durable magnetic layer for high output and high-density recording.

Reduced wear on heads

A high-performance binder system minimizes head abrasion. Precision tape manufacturing technology maximizes the performance potential of this media for data backup applications. Rigorous quality control and accelerated aging tests help assure long-term archival stability.

LTO (Linear Tape Open)

LTO is a new standard jointly developed by HP, IBM and Certance.



Generation	Generation 1	Generation 2	Generation 3	Generation 4
Capacity (Native)	100GB	200GB	400GB	800GB
Transfer Rate (Native)	10~20MB/s	20~40MB/s	40~80MB/s	80~160MB/s

NB: Please note that the above graph and chart are based on projections by the above three companies, HP, IBM and Certance and that all values represent targets.

Mechanical Characteristics		LTX100G	
Recording Capacity (*Compressed)	100GB (*200GB)	Tape Width (mm)	12.65
Magnetic Material	Metal particle (MP)	Tape Thickness (μm)	8.9
Cartridge Color	Black	Tape Length (m)	609

*Compression ratio 2:1

Dimensions

External Dimensions (mm) : 102.0x105.4x21.5

Environmental Requirements

Operation Conditions (°F(°C);%RH) : 50~113 (10~45);10~80*
Storage Conditions (°F(°C);%RH) : 60~90 (16~32);20~80*
Transportation Conditions (°F(°C);%RH) : -9~120 (-23~49);5~80*

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

For more information, visit our website at <http://www.sony.com/datamedia>

ACG-7321-FRO-0406-P1-005