

LTO ULTRIUM 3

Storage capacity reaches 800GB in LTO Ultrium 3rd generation data cartridge.

Performance breakthrough: 800GB compressed capacity with 160MB/s transfer speed

Sony's Advanced Alloy Metal Particle (A3MP) technology takes tape materials and coating processes to new heights. LTO3 offers a breakthrough in performance with a massive 400GB native and 800GB compressed maximum storage capacity per cartridge.

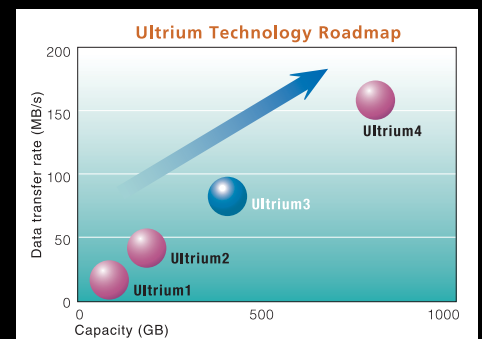
Cost savings with even faster data transfer

For quicker backup and cost efficiency, LTO3 offers ultra-high-speed 80MB/s native and 160MB/s compressed data transfer.

High-performance data cartridge

As in LTO1 and LTO2, the LTO3 cartridge incorporates a robust non-contact 4KB IC memory. This not only accelerates file access, but also markedly speeds up cartridge access in library environments.

LTO (Linear Tape Open)
LTO is a new standard jointly developed by HP, IBM and Quantum.



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High-density recording with low error rate

Sony raised the S/N ratio further to optimize performance for high-density recording using MR heads. Output is boosted and noise reduced by employing the latest weather-resistant ultra-fine magnetic material with high packing density on a newly designed base film surface featuring improved smoothness.



LTX400G Cartridge

Back surface design and lubricant

Reduced tape thickness is one of the keys to attaining higher storage capacity in the LTO3 cartridge. To assure tape travel stability and optimum winding with this thinner tape, Sony reassessed the back surface design and adopted a specialized lubricant.

Reduced critical tracking errors

The dedicated servo writer that Sony developed for the LTO format provides a high-quality magnetic servo signal, which complements the enhanced performance of the tape itself. The result is significantly improved data writing and reading accuracy



LTX-CL Universal Cleaning Cartridge

Generation	Generation 1	Generation 2	Generation 3	Generation 4
Capacity (Native)	100GB	200GB	400GB	800GB
Transfer Rate (Native)	20MB/s	40MB/s	80MB/s	120MB/s

Mechanical Characteristics		LTX400W	
Recording Capacity (*Compressed)	400GB (*800GB)	Coercivity (kA/m)	220
Maximum Data Transfer Rate (*Compressed)	80MB/s (*160MB/s)	Electric Resistivity (Magnetic Coating: Ω /sq)	1 x 10 ⁶
Tape Width (mm)	12.65	Electric Resistivity (Magnetic Coating: Ω /sq)	1 x 10 ⁶
Tape Thickness (μ m)	8.0	Built-in IC Memory (Byte)	4,096
Tape Length (m)	680	External Dimensions (mm)	102.0 x 105.4 x 21.5
Magnetic Material	Metal Particle (MP)	Number of data tracks	704

*Compression ratio 2:1.

Dimensions

External Dimensions (mm): 102.0 x 105.4 x 21.5

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): -40~113 (-40~45);5~80*

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

For more information, visit our website at sony.com/storagemedia