

# LTO ULTRIUM 2

Up to 400GB compressed capacity,  
thanks to LTO2 technology.

## Now, get double the capacity of LTO1

Using the latest Sony coating technology, LTO satisfies large backup needs with 200GB native and 400GB compressed capacity per cartridge.

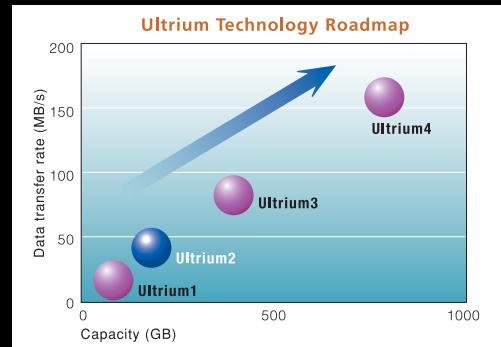
## Even faster data transfer

For quicker backup and cost efficiency, LTO2 offers ultra-high-speed 40MB/s native and 80MB/s compressed data transfer.

## High-performance data cartridge

Like LTO1, the LTO2 cartridge incorporates a robust non-contact 4KB IC memory. Besides accelerating file access, this markedly speeds up cartridge access in library environments.

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



# LTO ULTRIUM 2

## Greater data transfer stability

An advanced cartridge mechanism optimizes reel-to-cartridge slip and friction. The result is steady reel rotation for more stable data transfer.



LTX200G  
Cartridge

## Reduced critical tracking errors

Sony developed a dedicated LTO format servo writer to complement enhanced tape performance by providing a high-quality magnetic servo signal. This noticeably improves data writing and reading accuracy.



LTX-CL Universal  
Cleaning  
Cartridge

## Advanced tape technology for MR heads

Sony minimized tape noise to match the high-sensitivity of MR heads. Tape surface variation is also finely controlled to assure tape travel stability for optimum head-media interfacing.

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		LTX200G	
Recording Capacity (*Compressed)	200GB (*400GB)	Coercivity (kA/m)	175
Maximum Data Transfer Rate (*Compressed)	40MB/s (*80MB/s)	Electric Resistivity (Magnetic Coating: $\Omega$ /sq)	$1 \times 10^6$
Tape Width (mm)	12.65	Electric Resistivity (Magnetic Coating: $\Omega$ /sq)	$1 \times 10^4$
Tape Thickness ( $\mu$ m)	8.9	Built-in IC Memory (Byte)	4,096
Tape Length (m)	609	External Dimensions (mm)	102.0 x 105.4 x 21.5
Magnetic Material	Metal particle (MP)	Number of data tracks	512

\*Compression ratio 2:1.

### Dimensions

External Dimensions (mm): 102.0 x 105.4 x 21.5

### Environmental Requirements

Operation Conditions: ( $^{\circ}$ F( $^{\circ}$ C);%RH): 50~113 (10~45);10~80\*

Storage Conditions: ( $^{\circ}$ F( $^{\circ}$ C);%RH): 60~90 (16~32);20~80\*

Transportation Conditions: ( $^{\circ}$ F( $^{\circ}$ C);%RH): -9~120 (-23~49);5~80\*

\*Maximum wet bulb temperature: 79 $^{\circ}$ F(26 $^{\circ}$ C) at no condensation.

For more information, visit our website at [sony.com/storagemedia](http://sony.com/storagemedia)

©2007 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited.  
Features and specifications are subject to change without notice. Sony is a trademark of Sony. All other trademarks are property of their respective owners.

DM628  
Printed 10/07