IBM

IBM TotalStorage LTO Ultrium 400GB Data Cartridge

LTO rewritable cartridge

LTO WORM cartridge

Highlights

- *High-capacity, high-reliability tape cartridge for LTO Generation 3 storage environments*

- *Provides 400GB storage physical capacity (800GB with 2:1 compression)*

- *Available in rewritable and write once read many cartridge (WORM) models*

- *Designed to help improve read/write reliability by storing IBM's statistical media read/write analysis on every use of the cartridge*

- *Designed to adhere to widely supported Linear Tape-Open™ (LTO) Ultrium™ 3 design specifications*

High-capacity media for data storage growth

IBM is delivering high-capacity media that helps provide clients the ability to address the demanding growth in data storage.

The increase in cartridge capacity helps reduce the amount of equipment, space and human intervention required for daily tape operations. In addition, it helps reduce the number of cartridges needed for backup and restore operations and thus lowers operational costs.

Features you need

With the IBM® TotalStorage® LTO Ultrium 400GB Data Cartridge, IBM continues to focus on providing high quality, high-reliability tape technology for your business. The cartridges are part of a long line of IBM data cartridges designed to improve data integrity for organizations around the world.

The cartridges have been optimized and tested extensively for use in IBM LTO tape drives and libraries to help maximize performance, minimize data loss and improve data longevity. They are designed to withstand rigors of normal use in stand-alone and automated environments. Each cartridge is embedded with an LTO Cartridge Memory (LTO-CM) chip which is designed to enable fast, simultaneous transfer of cartridge-dependent data with tape drives during media load and unload cycles. The gray cartridge color helps distinguish it from previous generations of IBM LTO Ultrium Media.

The IBM TotalStorage LTO Ultrium 400GB Data Cartridge can be used in products featuring LTO Gen3 tape technology. As your storage needs grow, your data cartridge can continue providing value to help maximize your investment.

Write Once Read Many (WORM) model

IBM LTO Gen3 tape drives and libraries are designed to work with WORM cartridges to store data in a non-erasable, non-rewritable format. This is intended to help support the long-term retention of reference data and meet the requirements of many regulatory bodies worldwide. The 400GB WORM cartridge is identified by its unique two-tone color and includes advanced security features that are designed to prevent the alteration or deletion of stored data.

Why IBM LTO?

LTO is an open tape architecture developed by a consortium of three world-class storage producers. Open means availability from multiple vendors. When you purchase your media from IBM, you are purchasing from a time-proven and innovative tape technology leader.

Sales and support

To locate your nearest source for ordering, support, warranty, or product-related questions regarding the IBM TotalStorage LTO Ultrium 400GB Data Cartridge, visit **ibm.com**/totalstorage/media. You can obtain custom labeling from the referenced suppliers, as well as a list of country-specific phone numbers.

IBM TotalStorage LTO Ultrium 400GB Data Cartridge at a glance

Characteristics	Linear serpentine recording half-inch cartridge
Media Type	Metal Particle (MP)
Cartridge physical capacity	400GB (800GB with 2:1 compression)
Rewritable cartridge	LTO Ultrium 400GB rewritable Data Cartridge (400/800GB*)
WORM cartridge	LTO Ultrium 400GB WORM Cartridge (400/800GB*)
Cartridge capacity	400 (800GB 2:1 compression)
Physical and magnetic characteristics	Substrate Polyethylene Naphthalate (PEN)
Substrate thickness	0.00024 in (6.0 microns)
Total tape thickness	0.00031 in (8.0 microns)
Tape length	2231 ft (680 m)
Magnetic coercivity	187,007 A/m or 2530 Oe
Physical dimensions	
Cartridge size	4.02 in L x 4.15 in W x 0.85 D (102.0mm x 105.4mm x 21.5mm)
Data cartridge weight	0.463 lbs (210 grams)
Cleaning cartridge weight	0.254 lbs (115 grams)
Safety characteristics	Toxicity: Nonhazardous to human health in anticipated use
	Flammability: Self-extinguishing per UL94
Environmental recommendations	
Operating conditions	50-104° F (10-40° C); 20-80% RH; 79° F (26° C) wet bulb max
Storage conditions	61-90° F (16-32° C); 20-80% RH; 79° F (26° C) wet bulb max
Shipping conditions	-9 to 120° F (-23 to 49° C); 20-80% RH; 79° F (26° C) wet bulb max
Cartridge disposal	Classified as nonhazardous waste per EPA regulation 40CFR261; can be disposed of as normal office trash
Part numbers	LTO Ultrium 400GB Data Cartridge 24R1922
	LTO Ultrium 400GB WORM Cartridge 96P1203
	LTO Ultrium Universal Cleaning Cartridge 35L2086
Limited lifetime warranty	Free from defects in workmanship and materials for 5 years

For more information

Contact your IBM representative or
IBM Business Partner or visit:

ibm.com/totalstorage/media

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