

IBM TotalStorage LTO Ultrium 400GB Data Cartridge





Highlights

- Designed to provide performance, reliability and highcapacity on a single cartridge for LTO® Generation 3-based storage environments
- Designed to provide a native physical storage capacity of 400GB and a compressed physical data capacity of 800GB (2:1 compression)
- 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

By combining high storage capacity (400GB native, 800GB physical capacity with 2:1 compression), performance, and reliability, the IBM® TotalStorage® LTO Ultrium 400GB Data Cartridges continue the IBM focus on enhancing tape technology. These cartridges are part of a long line of IBM data cartridges that is designed to provide tape data storage quality and reliability for organizations around the world.

Cost-effective design

Increasing cartridge capacity and performance can help reduce the amount of equipment, space and human intervention required for daily tape operations. In addition, reducing the number of cartridges needed for backup and restore operations can help lower operational costs throughout the enterprise. New blue-gray cartridge color helps distinguish it from previous generations of IBM LTO Media.

Features you need

The 400GB physical capacity is designed to help reduce solution costs and improve space utilization. Our up to 80 MBps throughput reduces back-up windows and speed data recovery. The proven durability of the cartridge means less worry. Cartridge Memory (LTO-CM) can help enable fast, simultaneous transfer of cartridge-dependent data with IBM Ultrium 3 tape drives during media load and unload cycles.

Why IBM LTO?

LTO is an open tape architecture developed by a consortium of three worldclass storage producers. Open means availability from multiple vendors. IBM means a new technology from a timeproven and innovative tape technology leader. The IBM TotalStorage LTO Ultrium 400GB data cartridge, with a compressed physical capacity of up to 800GB (2:1 compression), can be used in products featuring Ultrium 3 tape drives. As your storage needs grow, your data cartridge can continue providing value to help maximize your investment.

Sales and support

To locate your nearest source for ordering, support, warranty, or productrelated 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.

For more information

Contact your IBM representative or IBM Business Partner or visit:

ibm.com/totalstorage/lto

IBM TotalStorage LTO Ultrium 400GB Data Cartridge at a glance

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



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MB, GB and TB equal 1,000,000,

1,000,000,000 and 1,000,000,000,000 bytes, respectively, where referring to storage capacity. Actual storage capacity will vary based upon many factors and may be less than stated. Some numbers given for storage capacities give capacity in native mode followed by capacity using data compression technology.

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