ComX Computers
Product Specification Sheet

Q2078A

HPE LTO-8 30TB RW Data Cartridge

Product Overview

HPE Q2078A LTO-8 30TB RW Data cartridge, 12TB uncompressed capacity, 30TB compressed capacity





Specifications

Overview:

- Compressed Capacity: 30TB
- Uncompressed Capacity: 12TB
- Read Speed: 700 MB/s (Compressed)
- Read Speed: 360 MB/s (Uncompressed)

Features:

Capacity & Performance

- HPE LTO-8 Ultrium can write or read data at up to 2.7TB per hour, storing, encrypting, and protecting up to 30TB on a single cartridge, making it suitable for large-scale, 24/7, mission-critical IT environments (assumes 2.5:1 compression).
- An 85% increase in the number of tracks and an 8% increase in bit density has permitted an increase in capacity from 15TB for LTO-7 to 30TB to LTO-8 and from 3584 tracks for LTO-6 to 6656 tracks for 30TB LTO-8 Ultrium cartridges (assuming 2.5:1 compression).
- HPE LTO Ultrium cartridge memory chip delivers fast access time and enhanced media monitoring.
- Helps to ensure that restores take place with fewer media failures and backups are less disrupted.

Reliability

- Tape is more reliable than an Enterprise SATA drive, with a BER of 1 x 10 for LTO-8 versus 1 x 10 for Enterprise SATA HDDs. That's a difference in reliability of four orders of magnitude - tape is 10,000 times more reliable than an Enterprise SATA HDD. for Enterprise SATA HDDs. That's a difference in reliability of four orders of magnitude - tape is 10,000 times more reliable than an Enterprise SATA HDD.
- The estimated data loss over 10 years for a 1EB (exabyte) archive is 1.1PB (petabytes) for a hard drive, as compared to only 7.4TB for tape.
- A 'smart grabber' mechanism and mechanical interlock help prevent the leader pin from being pulled inside the tape housing. Sensors detect the proper connection and prevent leader loss that would ruin the tape, allowing for a simplified tape path to reduce the wear, tear, and build-up of debris (important in automation).

- HPE brand qualification test procedures (load/unload, shoeshine, drop testing, and environmental stress testing) go beyond what is required for the LTO Ultrium logo. This helps ensure greater reliability for restoring your data.
- HPE warrants LTO Ultrium cartridges for an archival life of up to 30 years. This helps ensure businesses can meet the ever-increasing demands of regulation for data retention and archiving.

Secure

- Data encryption for enhanced security is compliant with FIPS 140-2 Level 1 security standards.

Value

- Standardizing on HPE LTO Ultrium delivers the capacity to meet shrinking backup windows, AES 256-bit encryption (IEEE1619.1), and interchangeable RW or WORM media without extra space or IT resource overhead.

Specifications:

Media Type	LTO Ultrium-8
Compressed Capacity	30 TB
Uncompressed Capacity	12 TB
Compression Rate	2.5:1
Native Transfer Rate	360 MB/s
Rewritable	Yes
Archival Life	30 Years
Tape Length	3149.61' / 960 m
Tape Thickness	5.6 µm
Magnetic Coercivity	2300 Oe
Material	Barium Ferrite
Labeling	Yes
Tracks	6656
WORM Support	No
Encryption	256-Bit AES, FIPS 140-2 Level 1
Operating Temperature	10 to 45 degreesC
Operating Humidity	10 to 80%
Storage Temperature	15 to 32 degreesC
Storage Humidity	20 to 60%
Archive Temperature	5 to 22 degreesC
Dimensions (W x H x D)	11.18 x 11.43 x 4.57 cm
Weight	0.27 kg

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/Q2078A-HPE-LTO-8-30TB-RW-Data-Cartridge-p-295064.php

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