ComX Computers
Product Specification Sheet

Q2078MN

HPE LTO-7 Ultrium Type M 22.5TB RW 20 Data Cartridges Non Custom Labeled with Cases

Product Overview

HPE Q2078MN LTO-7 Ultrium Type m 22.5TB RW 20 Data cartridges non custom labeled with cases, 22.5 TB compressed 2.5:1, 9TB uncompressed





Specifications

Overview:

HPE LTO-7 Ultrium Type M 22.5TB RW 20 Data Cartridges Non Custom Labeled with Cases

Exhaustively tested, HPE LTO Ultrium cartridges meet all your demands for maximum reliability when restoring data, offering high storage density, ease of management and scalable storage and backup performance. Covering eight generations of capacity - LTO-1 (200 GB), LTO-2 (400 GB), LTO-3 (800 GB), LTO-4 (1.6 TB), LTO-5 (3 TB), LTO-6 (6.25 TB), LTO-7 (15 TB) and LTO-8 (30 TB) - and with transfer speeds of up to 2.7 TB/hr for LTO-8, there is a platform for every need and budget. From LTO-3 onwards, LTO Ultrium WORM cartridges enable the creation of compliant, permanent and tamper-proof archives. From LTO-4 onwards, secure AES-256 encryption provides even higher levels of data security and compliance with the most stringent industry regulations to prevent unauthorized data access. From LTO-5 onwards, HPE LTO Ultrium Linear Tape File System makes using tape as easy, flexible, portable and intuitive as using other removable and shareable media, such as a USB drive.

What's new

- Massive increase in capacity: 700% improvement versus LTO-5 and 380% capacity versus LTO-6 (assume native data capacity)
- Significant increase in performance - possible to store 2.7 TB/hr using LTO-8.
- Built-in AES 256-bit encryption (IEEE1619.1) (LTO-4, LTO-5, LTO-6, LTO-7, LTO-8) - granted FIPS140-2 Level 1 certification.

Features:

Highest Capacity and Performance of any Comparable Tape Technology

- HPE LTO-8 Ultrium can write or read data at a blistering 2.7 TB/hour, storing, encrypting and protecting up to 30 TB on a single cartridge, making it ideal for large-scale, 24 x 7, mission-critical IT environments (assumes 2.5:1 compression).
- An 85% increase in the number of tracks and a 8% increase in bit density has permitted an increase in capacity from 15 TB for LTO-7 to 30 TB to LTO-8: from 3,584 tracks for LTO-6 to 6,656 tracks for 8th generation HPE LTO-8 Ultrium 30 TB cartridges (assuming 2.5:1 compression).
- HPE LTO Ultrium cartridge memory chip delivers faster access time and enhanced media monitoring.

- First time restore ensured with fewer media failures and disrupted backups, regardless of duty cycle or environmental conditions.

Ultra-reliable

- Tape is more reliable than Enterprise SATA disk. With a BER of 1x10 to the power of 19 for LTO-8 versus 1x10 to the power of 15 for Enterprise SATA HDDs. Thats a difference in reliability of four orders of magnitude - e.g. tape is 10,000 times more reliable than Enterprise SATA HDD.
- Estimated data loss over 10 years for 1 Exabyte archive is 1.1 Petabytes for HDD compared to only 7.4 Terabytes for tape.
- Superior 'smart grabber' mechanism and mechanical interlock to prevent the leader pin from being pulled inside the tape housing. Sensors detect proper connection and prevent leader loss that would ruin the tape. Simplified tape path to reduce wear, tear & build-up of debris (important in automation)
- HPE brand qualification test procedures (load/unload, shoeshine, drop testing and environmental stress testing) go far beyond what is required for the LTO Ultrium logo.This ensures maximum reliability for restoring your data.
- HPE warrants LTO Ultrium cartridges for up to 30 years archival life. This ensures businesses can meet the ever-increasing demands of regulation for data retention and archiving.

Secure

- Write-Once-Read-Many (WORM) version provides tamper-proof, compliant data storage.
- Data encryption for enhanced data security on HPE LTO-4, LTO-5, LTO-6, LTO-7 and LTO-8 Ultrium. Compliance with FIPS 140-2 level 1 security standards.

Value for money

- Standardizing on HPE LTO Ultrium delivers the capacity to meet shrinking backup windows, industry-standard, AES 256-bit encryption (IEEE1619.1), and interchangeable RW or WORM media; without extra space or IT resource overhead.
- Open standard technology ensures compatibility across product generations and gives you more choice. Cartridges are available as Custom Labeled, Non-Custom Labeled (both Custom and Non Custom include RFID options for some formats) and non-labeled versions.

Specifications:

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Specifications	
Product Code	Q2078MN
Recording technology	LTO-8 Type M LTO-7 Initialized
Capacity	22.5 TB
	Compressed 2.5:1
	Supported
Media format	Re-writable and Write-once media
Media labeling	Write-on Labels in box
Quantity per Package	1
Read speed, media	700 MB/sec
Bit density	485 kbits/inch
Archival life	30 years
Product color	Slate Blue
Tape length	960 m Maximum, depending on model

Tape width	12.65 mm
Tape thickness	5.6 um
Base material	Barium Ferrite
Data tracks	5376
Magnetic coercivity	2, 200-2, 300 Oe
Minimum dimensions (H x W x D)	11.3 x 11.1 x 2.1 cm
Weight	0.28 kg

Product Information Online

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

Product page:
https://www.comx.co.za/Q2078MN-HPE-LTO-7-Ultrium-Type-M-22-5TB-RW-20-Data-Cartridges-Non-Custom-Labeled-p-234206.php

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