

HPE LTO4 Ultrium 1.6TB WORM Data Tape Cartridge (C7974W)

Storage media



What's new

- Massive increase in capacity: 108%

Overview

Exhaustively tested, HPE LTO Ultrium cartridges meet all your demands for maximum reliability when restoring data, offering

improvement versus LTO-5 and 290% capacity versus LTO-4.

- Significant increase in performance - possible to store 1.4 TB/hr using LTO-6.
- Built-in AES 256-bit encryption (IEEE1619.1) (LTO-4, LTO-5 and LTO-6) - granted FIPS140-2 Level 1 certification.

high storage density, ease of management and scalable storage and backup performance.

Covering six 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) – and with transfer speeds of up to 1.4 TB/hr for LTO-6, there is a platform for every need and budget.

From LTO-3 onwards, LTO Ultrium WORM cartridges enable the creation of compliant, permanent and tamperproof 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, LTO Ultrium Linear Tape File System makes using tape as easy, flexible, portable and intuitive as using other removable and sharable media, such as a USB drive.

Features

Highest Capacity and Performance of any Comparable Tape Technology

HPE LTO-6 Ultrium can write or read data at a blistering 1.4 TB/hour, storing, encrypting and protecting up to 3 TB on a single cartridge, making it the big hitter in large-scale, 24x7, mission-critical IT environments.

A 70% increase in the number of tracks has increase the bit density, allowing more data to be recorded in the same amount of tape: from 1,280 tracks for LTO-5 to 2,176 tracks for 6th generation HPE LTO-6 Ultrium 6.25 TB cartridges.

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

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 and tear and build up of and 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.

HPE offers a limited lifetime warranty for HPE LTO Ultrium cartridges, including up to 30 years archival life, if stored at the recommended storage conditions. This



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Secure

Write-Once-Read-Many (WORM) version provides tamperproof, compliant data storage.

Data encryption for enhanced data security on HPE LTO-4, LTO-5 and LTO-6 Ultrium. Compliance with FIPS 140-2 level 1 security standards.

Value for money

Standardizing on HPE LTO-5 or LTO-6 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 from LTO-4 onwards) and non-labeled versions.

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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, and build-up of debris—crucial in automation.

User write-on labels are no longer included with A and W SKU's.



Technical specifications**HPE LTO4 Ultrium 1.6TB WORM Data Tape Cartridge**

Product Number	C7974W
Recording technology	LTO-4 Ultrium
Capacity	1.6TB Compressed 2:1 Supported
Media format	Write-once media
Media labeling	Write-on Labels in box
Quantity per Package	1
Read speed, media	240 MB/sec
Bit density	343 kbits/inch
Archival life	30 years
Product color	Green
Tape length	820 m
Tape width	12.65 mm
Tape thickness	6.6 um
Base material	Metal Particle
Data tracks	896
Magnetic coercivity	2600-2750 Oe
Product Dimensions (metric)	11.1 x 11.3 x 2.79 cm
Weight	0.28 kg
Warranty	Limited Lifetime Warranty.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- GreenLake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GreenLake

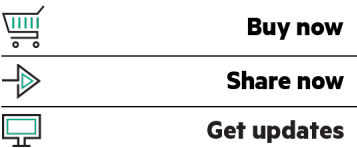
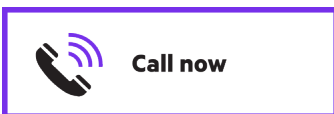
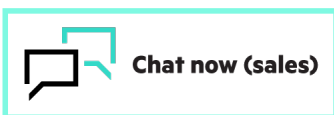
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