Data sheet

HPE Storage LTO Ultrium Tape Drives

HPE Storage LTO-9 Ultrium External Tape Drive 5x LTO-9 45TB Data Cartridges (P84142-B25)

What's new

- HPE Smart Choice models available with external tape drives featuring LTO-8 and LTO-9 technology can be quoted in minutes and shipped quickly through HPE authorized partners.

Overview

HPE Storage LTO Ultrium Tape Drives span nine generations of Linear Tape-Open (LTO) technology, delivering up to 45 TB [1] of storage per cartridge and data transfer rates up to 300 MB/s native. Hardware-based AES 256-bit encryption helps protect sensitive data and prevent unauthorized access to tape cartridges. LTFS, an open format for storing data, makes tape media self-describing and file-based for easy access and management. Data rate matching dynamically adjusts the drive to the host system speed, helping maintain continuous streaming and optimize performance.

Features

Outstanding Performance

Store up to 45 TB per cartridge using LTO-9 at 2.5:1 compression for efficient, high-density backup, archive, and long-term data retention.

Transfer data at speeds up to 300 MB/s native to help accelerate backup and restore operations.

Data rate matching adjusts drive performance to host system speeds to help maintain continuous streaming and efficient data transfers.

Enterprise Level Security

AES 256-bit encryption helps protect sensitive data and prevent unauthorized access to tape cartridges.

Removable tape media provides a physical air gap to help protect critical data from ransomware and other cyber threats.

Protect critical data with immutable WORM storage and media specified for a 30-year shelf life under normal ambient conditions. Easily move rugged LTO cartridges off-site for disaster recover while preventing accidental overwrites.

Complete Solution Straight Out of the Box

HPE Storage LTO Ultrium Tape Drives provide HPE LTO media, cables, and user guides.

Provides the essential tape hardware and connectivity needed to quickly deploy reliable backup, recovery, and archive storage.

Designed as a standalone solution that integrates easily with existing servers and backup environments without requiring complex infrastructure.

Technical specifications	HPE Storage LTO-9 Ultrium External Tape Drive 5x LTO-9 45TB Data Cartridges
Product Number	P84142-B25
Drive type	Includes 1x HPE Storage LTO-9 Ultrium External Tape Drive and 5x LTO-9 15TB Data Cartridges.
Transfer rate	300 MB/s native, maximum
Host interface	6 Gb/s SAS in LTO-8 12 Gb/s SAS in LTO-9
WORM capability	LTO-9 Ultrium 45000
Encryption capability	AES 256-bit
Recording technology	LTO Ultrium
Capacity	45 TB compressed 2.5:1 maximum
Form factor	5.25-inch half-height
Warranty	Hewlett Packard Enterprise provides a 3-year, next-day, product exchange, limited warranty for all the Ultrium tape drives, plus 9x5 phone support for the duration of the warranty. No labor or on-site support coverage.

[1] LTO-9 and 2.5:1 compression

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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