Hewlett Packard
Enterprise

HPE NonStop LTO tape drives

More capacity. Better performance. Added security.

LTO-6—The latest LTO technology

Higher throughput, greater density, and added data security

Linear Tape-Open (LTO) technology—a powerful open-tape specification—was developed as an open-standard alternative to proprietary magnetic formats. Ever since its emergence in the late 1990s, the LTO has rapidly defined the **super tape** market. Today, it's widely used with small and large computer systems, especially for backup.

The original version, LTO-1, was released in 2000 and could hold 100 GB of data in a cartridge. LTO-6, released more than a decade later, offered 6.25 TB capabilities per cartridge. LTO-4 incorporated native encryption technology to protect data stored on tape, and so does LTO-6.

LTO-6 also offers higher throughput, and read-and-write capability with LTO-5 cartridges and read compatibility with LTO-5 and LTO-4 cartridges.

LTO-6 on HPE Integrity NonStop systems

HPE NonStop LTO-6 tape drives are the next iteration of HPE NonStop LTO drives that began with LTO-2 and continued through LTO-5. LTO-6 is fully integrated and available for use with HPE Integrity NonStop i systems running the J-series HPE NonStop OS and HPE Integrity NonStop X systems. HPE NonStop LTO-6 tape drives offer an ideal solution for tape backup where security, speed, reliability, and the ability to archive are critical.

Choose from the following options and find the one that best suits your needs:

HPE NonStop M8801A and HPE NonStop M8802A LTO-6 ACL tape drives
HPE NonStop M8801A and HPE NonStop M8802A LTO-6 Auto Cartridge Loader (ACL) tape drives represent the sixth generation of the Ultrium tape drive family. Both of the units come with two 12-cartridge magazines that provide a capacity of up to 60 TB native capacity.

HPE NonStop M8801A and HPE NonStop M8802A LTO-6 ACL tape drives are fully read-and-write compatible with sixth (LTO-6) and fifth-generation (LTO-5) Ultrium data cartridges. Both offer a further degree of investment protection through backward-read compatibility with fourth-generation (LTO-4) Ultrium media. These ACL tape drives are available for use with HPE Integrity NonStop i systems running the J-series HPE NonStop OS and HPE Integrity NonStop X systems. HPE NonStop M8801A LTO-6 ACL tape drive comes in a rackmount configuration. HPE NonStop M8802A LTO-6 ACL tape drive comes in a tabletop configuration.

Key features and benefits
Dependable—HPE NonStop M8801A and HPE NonStop M8802A LTO-6 ACL tape drives set new standards for data integrity and reliability with a simple and robust design based on inherently reliable LTO technology.

• High capacity—Both LTO-6 drives store up to 6.25 TB per data cartridge with 2.5:1 compression.

• Unit capacity—Both store up to 150 TB with 2.5:1 compression with 24 data cartridges.

• Fast—HPE NonStop M8801A and HPE NonStop M8802A tape drives reduce interruptions with high-speed and dynamic data rate matching that squeezes peak performance from your **HPE NonStop server**.

• Affordable—Both LTO-6 tape drives provide high capacity with low media cost to deliver an exceptionally low total cost of ownership.

• Reliable—HPE NonStop M8801A and HPE NonStop M8802A tape drives protect your data with a simple, high-integrity datapath, including read-and-write dynamic random access memory.

• Configurable—Using Entry-Level Media Manager software, available directly from Tributary Systems, HPE NonStop M8801A and HPE NonStop M8802A tape drives may be configured as fully functional random-access 24 cartridge libraries.

Technical specifications

Tape format	LTO-6 Ultrium
Tape media compatibility	Read or write Ultrium 6 and 5, read-only Ultrium 4
Cartridge capacity	2.5 TB native; up to 6.25 TB compressed (with 2.5:1)
Unit capacity	Up to 60 TB native with 24 data cartridges; up to 150 TB compressed with 24 data cartridges
Buffer size	512 MB
Data access time	50 seconds from beginning of LTO-6 media (average)
Rewind tape speed	9 m/s for LTO-6, LTO-5, and LTO-4 media
Interface	Fibre Channel
Plug type	Fibre Channel LC
Power specifications	100 VAC–240 VAC, 50 Hz–60 Hz, 2.5A

HPE NonStop M8805A LTO-6 top tape drive

HPE NonStop M8805A LTO-6 represents HPE sixth-generation of LTO tape drive technology capable of storing up to 6.25 TB per cartridge. HPE NonStop M8805A provides investment protection with full read-and-write backward support with LTO-5 media and the ability to read LTO-4 cartridge.

By nearly doubling the capacity of previous generation LTO Ultrium drives, HPE customers now require fewer data cartridges to meet their storage needs, significantly reducing their IT costs and increasing their return on investment (ROI).

HPE NonStop M8805A tape drive is designed for HPE Integrity NonStop i systems running the J-series NonStop OS and HPE Integrity NonStop X systems. It lowers the cost of an entry-level tape drive on HPE NonStop servers while increasing both capacity and performance. HPE NonStop M8805A comes in a tabletop configuration.

Key features and benefits

• High capacity—With LTO-6, this large-capacity tape drive is capable of storing up to 6.25 TB of compressed storage on a single cartridge, requiring fewer data cartridges to meet storage needs and significantly reducing IT costs.

• Reliable—HPE exclusive data-rate matching feature automatically adjusts the drive's read-and-write speed based on the server and network environment, which increases performance, reduces mechanical wear on the drive, and extends tape life. Soft load feature automatically takes the data cartridge and moves it into the load position. Advanced tape leader capture design provides fail-safe cartridge loading. Active head cleaning provides automated cleaning that increases head life and reduces the need for using the cleaning cartridge.

• Affordable—High capacity combined with low media cost delivers an exceptionally low cost of ownership and provides a faster return on investment.

• Investment protection—A compelling technology road map offers you higher capacity and performance tape solutions with backward read-and-write compatibility for previous drive generations.

Technical specifications

Tape format	LTO-6 Ultrium
Tape media compatibility	Read/write Ultrium 6 and 5, read-only Ultrium 4 cartridge
Cartridge capacity	2.5 TB native; up to 6.25 TB compressed (with 2.5:1)
Buffer size	512 MB
Data access time	50 seconds from beginning of LTO-6 media (average)
Rewind tape speed	9 m/s for LTO-6, LTO-5, and LTO-4 media
Interface	SAS external: mini-SAS SFF-8088
Plug type	6 GB/s dual-port SAS
Power specifications	100 VAC–240 VAC, 50 Hz–60 Hz, auto-ranging 0.8A max.
Dimensions (HxWxD)	3 in. x 8.8 in. x 11.7 in. (7.7 cm x 22.3 cm x 29.5 cm)
Weight	10.3 lb (4.65 kg)

Services from HPE Pointnext

HPE Pointnext leverages our strength in infrastructure, partner ecosystems, and the end-to-end lifecycle experience, to accelerate powerful, scalable IT solutions to provide you the assistance for faster time to value. HPE Pointnext provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation.

Operational Services

- **HPE Datacenter Care:** HPE's most comprehensive support solution tailored to meet your specific data center support requirements. It offers a wide choice of proactive and reactive service levels to cover requirements ranging from the most basic to the most business-critical environments. HPE Datacenter Care Service is designed to scale to any size and type of data center environment while providing a single point of contact for all your support needs for HPE as well as selected multivendor products.

- **HPE Critical Service:** High-performance reactive and proactive support designed to help minimize downtime. It offers an assigned support team, which includes an account support manager (ASM). This service offers access to the HPE Global NonStop Solution Center, 24x7 hardware and software support, 6-hour call-to-repair commitment, enhanced parts inventory, and accelerated escalation management.

- **HPE Proactive 24:** Provides proactive and reactive support delivered under the direction of an ASM. It offers 24x7 hardware support with 4-hour on-site response, 24x7 software support with a 2-hour response, and flexible call submittal.

- **HPE Foundation Care:** Support for HPE servers, storage, networking hardware, and software to meet your availability requirements with a variety of coverage levels and response times.

Advisory and Transformation Services—HPE Pointnext designs the transformation and builds a road map tuned to your unique challenges including Hybrid IT, Workload and Application Migration, Big Data, and the Intelligent Edge. Hewlett Packard Enterprise leverages proven architectures and blueprints, as well as integrates with partner products and solutions. We also engage the Professional and Operational Services teams as needed.

Professional Services—HPE Pointnext creates and integrates configurations that get the most out of software and hardware, and works with your preferred technologies to deliver superior solution. Services provided by the HPE Pointnext team, certified channel partners, or specialist delivery partners include installation and deployment services, mission-critical and technical services, and education services.

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