

HPE Storage MSL3040 Tape Library QuickSpecs

Scalable, Secure Data Protection.

The HPE Storage MSL3040 Tape Library delivers scalable, secure, and cost-efficient data protection for modern hybrid environments. Its modular architecture expands from 40 to 640 slots, making it ideal for customers starting small and planning for significant growth. Enhanced with new capabilities such as HPE MSL Vault Partition and Multifactor Authentication, the MSL3040 strengthens cyber resilience, supports compliance, and provides the control organizations need to safeguard and retain critical data with confidence as their storage demands evolve.

Overview

The HPE Storage MSL3040 Tape Library is a scalable, modular data protection solution designed for SMB to mid-sized environments. It starts with a fully functional 3U base unit that can be equipped with up to 3 drives and operates as a compact yet powerful backup and archival system. From there, it can scale up to 48U with expansion modules, supporting up to 640 cartridges and 48 half-height LTO tape drives for up to 28.8 PB of compressed storage. Ideal for long-term backup and archiving, it offers data encryption, WORM support, and remote management. Providing an air-gapped solution against the threat of ransomware. The MSL3040 delivers reliable, secure, and cost-effective storage, making it the best choice for businesses needing secure, scalable, and low-cost data retention.



HPE Storage MSL3040 Tape Library

Industry leading scalability - from 40-slot Base Library Module to 640 slots in a 48U Rack with 15 Expansion Modules

What's New

- HPE MSL Vault Partition introduces policy-driven secure storage area inside the library, isolated from drives and invisible to applications, preventing any intentional or accidental access
 - The new Multifactor Authentication (MFA) enhances security by requiring two-factor user verification, reducing the risk of unauthorized access and ensuring only verified users reach critical data
 - HPE Smart Choice model MSL3040 Tape Library with LTO-9 technology available that can be quoted in minutes and shipped quickly through HPE Authorized Partners.
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Standard Features

Key Features

High scalability

- Pay-as-you-grow scalability with fast, non-disruptive addition of Expansion Modules. Start with 40-slot 3U Base Library Module, and add up to 15 Expansion Library Modules for a total of 640 slots in a 48U Module and 8 PB of maximum capacity LTO-9 drives compressed at 2.5:1.
Supports up to 48 LTO HH tape drives with native transfer rates of up to 300 MB/s per drive.

Cost Effective tape solution

- Protect existing investments by repurposing existing LTO tape drives in a new MSL3040 library or add new drives to expand an existing library.
 - Expansion modules are customer-installable; easy to configure and remove.
 - Integrated bar code reader included.
- No slot licenses required, all installed slots are enabled without additional licensing.
- Industry leading storage density of 13 cartridge slots (585 TB) per 1U of rack space saves space, power, cooling and management costs.
- Great flexibility with up to 21 logical library partitions.
- Customer installable, scalable and serviceable with wizards for installation and configuration.
- The MSL Tape Libraries are shipped as a rack-ready unit. The rack mount hardware included with the library allows installation in a variety of HPE racks. For more information on the HPE rack offerings, please see the following URL: <https://www.HPE.com/info/rackandpower>

Enterprise-class manageability and reliability

- Manage multiple HPE Tape Libraries from any location with HPE Command View Tape Libraries (CVTL) software. Download for free at: [HPE Command View for Tape Libraries | HPE Store US](#)
- Intelligent, proactive and predictive reporting with HPE Command View for Tape Libraries Tape Assure Advanced, a licensed feature of CVTL.
- The HPE extensive interoperability testing means that MSL3040 integrates with industry-leading servers, operating systems and backup software

Advanced security features

- HPE Command View for Tape Libraries Data Verification proactively scans and verifies that data that is stored on tapes is always retrievable if needed.
 - Protect data with MSL Vault Partition by creating isolated, secure storage inside the library.
 - Strengthen security with MFA, enforcing two-factor verification for critical data access.
 - Using the HPE Encryption Kit get the simplest, lowest cost encryption and key management solution available.
 - HPE Secure Manager License provides an additional level of security that lets you control access to the tape library by authorizing specific servers.
 - Achieve higher levels of availability with data path failover and control path failover.
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Standard Features

MSL3040	
Drive Technology Supported	LTO-9 Ultrium 45000 LTO-8 Ultrium 30750
Maximum Number of Drives	48 HH
Maximum Capacity (2.5:1 compression)	1.8 PB (LTO-9, 40 slots) 28.8 PB (LTO-9, 640 slots)
Maximum Data Transfer (Native)	51.4 TB per hour (48 LTO-9 drives)
Drive Interface	8 Gb/sec Fibre Channel 12 Gb/sec SAS (LTO-9) 6 Gb/sec SAS (LTO-8 and earlier)
Mail Slots	5 slots per module

High Scalability

Scale with the MSL3040 to keep pace with data growth.

Meet changing storage capacity and performance requirements with a modular, pay-as-you-grow architecture. Expand the library by adding modules as needed, eliminating the cost and disruption of replacing the entire system.

The modular design of the MSL3040 features continuous robotics, enabling non-disruptive expansion while improving performance scalability, and reliability. Scale from 40 to 640 cartridge slots and up to 28.8 PB of compressed capacity in a single 19-inch rack. Scaling up with the MSL3040 couldn't be easier:

- Start with a Base Library.
- Add a redundant power supply as required**
- Add up to 3 SAS or FC half-height tape drives.
- Include up to 40 cartridges for a fully configured base unit. As required add up to 15 empty expansion modules to the Base Library. Each 3U expansion module requires a power supply if drives are to be installed. Redundant power supplies can also be added**.
- Expansion modules can be installed above or below the base module (up to 8 below and up to 7 above).
- Each expansion module can be configured with up to three FC or SAS tape drives and 40 media cartridges.

Notes: **Extra power supplies need to be factory integrated in order to be TAA compliant

Partitioning

Standard Partitioning supports up to 21 logical partitions, allowing multiple hosts or backup applications to share a single physical library. Each partition is presented as an independent virtual library with its own dedicated media resources.

MSL Vault Partitioning

HPE MSL Vault Partition creates an isolated, drive-free zone inside the MSL3040 tape library, making cartridges invisible to applications and hosts. Media can be automatically moved into the vault by policy, eliminating the need for manual handling and enabling secure, air-gapped storage inside the library. Removal access requires security-level credentials with MFA. Available at no extra cost on firmware version 6.70 or later.

Standard Features

Multifactor Authentication (MFA)

MFA enhances security by requiring two forms of verification for access: a password plus a time-based one-time passcode (TOTP). This additional layer of protection helps prevent unauthorized access, safeguards critical operations, and supports regulatory compliance.

Available at no extra cost on firmware version 6.70 or later, MFA strengthens cyber resilience and protects backup environments against evolving threats.

Management Console

The HPE Storage MSL3040 Tape Library comes with web-based remote manageability so it can be monitored and managed from anywhere in the world. Functions included in the management tool include:

- Status information on the drive and system
 - System configuration operations and reporting
 - System error and status logs
 - Library and drive firmware upgrade capabilities
 - Diagnostic tests and information
 - Cartridge movement for maintenance and management purposes
 - Cleaning cartridge support
 - Security and access control
 - SNMP support for IP communication
 - Partitioning and Encryption management
 - HTTPS capable
 - IPv6 and IPv4 network protocol support
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HPE Command View for Tape Libraries

HPE Command View for Tape Libraries (CVTL) provides an easy-to-use interface for efficiently managing, monitoring and configuring an entire tape library environment from any remote location. HPE Command View for Tape Libraries TapeAssure Advanced is a licensed feature of CVTL that provides predictive analytics on health, performance and utilization related monitoring of all tape drives and cartridges. HPE Command View for Tape Libraries Data Verification Software is another licensed feature of CVTL which proactively validates and scans, non-disruptively, the quality of data stored on LTO tape cartridges, which ensures a successful restore is possible when critical business data is needed. As of CVTL v6.1, a new capacity planning feature has been added to CVTL which allows users to view consumption metrics which enables accurate and timely future investments

HPE Command View for Tape Libraries TapeAssure Advanced and Data Verification Software can be trialed for free once the CVTL Software has been installed. Simply download CVTL from [HPE Command View for Tape Libraries | HPE Store US](#) and get a 60-day trial period to experience.

For more information about HPE Command View for Tape Libraries, please visit:
[HPE Command View for Tape Libraries | HPE Store US](#)

Standard Features

HPE Library and Tape Tools

The Storage MSL3040 Tape Library is supported with HPE Library and Tape Tools (L&TT). L&TT is a free diagnostic tool for all of HPE's tape storage products. This robust diagnostic tool is designed for ease of use and allows customers to verify the installation, ensure product reliability, perform diagnostics and achieve faster resolution of tape device issues. It also provides seamless integration with HPE support by generating and e-mailing test results and support tickets. HPE Support will require the use of L&TT to troubleshoot most device issues, so it is recommended that a support ticket is pulled and the device assessment test is run before calling.

For more information or to download HPE Library & Tape Tools please visit [HPE Library and Tape Tools](#) | [HPE Store US](#)

Linear Tape File System (LTFS)

HPE LTO drives support the open standard LTFS format for writing data to tape. LTFS makes tape self-describing, file-based, and easy-to-use, it also provides users with the ability to use standard file operations on tape media for accessing, managing and sharing files with an interface that behaves just like a hard disk. In addition, LTFS provides the ability to share data across platforms, as you would with a USB drive or memory stick. Simply load a tape into the drive, mount it into the file system, and it becomes visible as a disk.

For more information about LTFS please see: https://www.snia.org/tech_activities/standards/curr_standards/ltfs

For applications supporting LTFS please see the compatibility guide: [HPE Storage Single Point of Connectivity Knowledge - SPOCK](#)

Data Encryption

The HPE Storage MSL3040 Tape Library supports multiple data encryption options to meet a range of security and compliance requirements.

- HPE MSL Encryption Kit – Provides a library-based, self-contained encryption key management system using a USB hardware key server token for standalone deployments. One encryption kit is required per library. The encryption kit includes two USB key server tokens - one encryption kit is needed per library, which must be physically accessible so that the USB token can be inserted into the library. The second token will be used as a backup token, in case the first one is lost or damaged.
 - KMIP 1.2 Support – Supports centralized encryption key management using the Key Management Interoperability Protocol (KMIP) 1.2 with an optional library encryption license. For supported key management servers, refer to the [HPE Storage Single Point of Connectivity Knowledge - SPOCK](#)
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Secure Manager License

HPE MSL3040 Secure Manager License is an optional software feature that lets you control access to the tape library by authorizing specific servers access. Secure Manager increases backup reliability by blocking disruptive traffic from unauthorized hosts, which is one of the main causes of failed or incomplete backups.

- Easily configure device-level SAN access settings
- Allow only authorized servers to access tape drives and critical data
- Manage access control from a single pane of glass, through the library itself
- Paths to robotics can be separated between two independent SANs for isolation purposes

Standard Features

Secure Manager allows you to:

- Create host access groups
 - Add and modify host information
 - Map device access to specific hosts
 - Allows a disable feature when switch zoning is desired
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HPE Ultrium WORM

The HPE StoreEver MSL3040 Tape Library supports immutable data protection using LTO Ultrium WORM (Write Once, Read Many) media. WORM cartridges prevent data from being modified or overwritten after it is written, helping organizations meet regulatory, compliance, and long-term data retention requirements. LTO Ultrium WORM provides:

- Immutable, write-once data protection for long-term retention.
 - Support for both rewritable and WORM media in the same tape drive.
 - Broad compatibility with leading backup and archive software.
 - Open LTO standards for interoperability across supported LTO generations.
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High Availability

Driver-Based Failover provides automatic path failover for both tape drives (data path) and library robotics (control path), improving availability and reducing backup interruptions.

- Supports automatic failover for data and control paths when a SAN path becomes unavailable.
 - Presents a single tape drive and library path to the host while transparently redirecting I/O to an alternate path during a failure.
 - Requires Driver-Based Failover host driver support and compatible tape drive and library firmware.
 - Supports redundant dual-port Fibre Channel connectivity with both paths active.
 - LTO -8 and LTO-9 tape drives remain accessible to hosts using standard drivers; Driver-Based Failover functionality requires the appropriate host driver.
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HPE Storage Media

HPE branded Linear Tape Open (LTO) Ultrium cartridges are designed, manufactured and tested to provide outstanding reliability for backing up, archiving and restoring your data. The quality is continuously monitored against the industry's most comprehensive and forensic specification for quality and reliability.

LTO-7 Type M media

The MSL3040 Tape Library supports LTO-7 Type M media. This is the ability of an LTO-8 drive to write 9 TB (native) on a brand new LTO-7 cartridge instead of 6 TB (native) as specified by the LTO-7 format. LTO-7 Type M cartridges will be designated by an automation barcode label ending with the last 2 characters "M8". A standard 6 TB LTO-7 cartridge is indicated with an automation barcode label ending in "L7". An LTO-8 cartridge has a capacity of 12 TB (native), and is indicated with an automation barcode label ending in "L8".

Standard Features

Proven Reliability

With a rating of 2,000,000 robot load/unload cycles, the MSL Tape Libraries provides high reliability for today's demanding environment.

MSL Tape Libraries include redundancy features for high availability. Dual power supplies are available for increased system reliability and uptime.

Data Rate Matching

To further improve reliability and longevity, all HPE Ultrium products feature Data Rate Matching (DRM). Data Rate Matching combines sophisticated buffer management with variable tape drive motor speeds to match the tape drive transfer rate to the host output. This feature ensures that the tape drive continues to stream data regardless of the environment, and brings three big advantages:

- It optimizes performance and maximizes efficiency, allowing the drive to respond immediately to any data speed changes from the host.
- It minimizes rewinding and repositioning of the tape, significantly reducing physical wear and increasing reliability.
- It minimizes the power requirements for the drive by reducing the number of repositions needed.

LTO Ultrium Tape Drive	ATS data transfer rate range (native)
HPE LTO-9 Ultrium 45000	101 to 300 MB/s
HPE LTO-8 Ultrium 30750	101 to 300 MB/s

Longevity

Organizations need to be confident that their archived data is there when they need it. LTO tape media is specified with a 30-year shelf life, if stored at the "Archival Life Recommended Storage" conditions.

LTO Ultrium Technology

HPE Linear Tape Open (LTO) Ultrium Tape Drives use best of breed technology. LTO technology is an open industry standard format; thus, data written on HPE Ultrium Tape Drives can be interchanged directly with Ultrium Tape Drives from other vendors.

HPE LTO tape drives and automation products are founded on the LTO open standard and adhere to the published fourteen-generation LTO format roadmap.

LTO Ultrium drives provide read and write backward compatibility as shown in the table below:

Drive Generation	Read	Write
LTO-9	LTO-9, LTO-8	LTO-9, LTO-8
LTO-8	LTO-8, LTO-7	LTO-8, LTO-7

As part of the LTO open standard, all HPE tape drives and media offer the same standards of compatibility with tape drives and media manufactured by other LTO vendors.

Standard Features

LTO-9 Media Initialization

Media initialization has been implemented in LTO-9 technology to optimize data placement on each LTO-9 cartridge. The initialization enables the tape drive to intelligently align data to a specific tape cartridge. Each new LTO-9 cartridge requires a one-time initialization prior to starting read/write operations. Most initializations will complete within an hour; however, in some cases it can take up to 2 hours – depending on environmental conditions.

The MSL3040 provides an “LTO-9 New Media Initialization Wizard” feature which will guide the user through an automated media initialization process. For more information, please refer to the MSL3040 User Guide.

Compatibility

HPE’s extensive compatibility testing program assures that your HPE MSL Tape Libraries work with leading servers, operating systems, and backup software applications - and not just those sold by HPE. This makes them especially suitable if you have a mixed system environment. For the complete list of servers, workstations, operating systems, and backup software that support the MSL tape libraries, reference the HPE Storage Compatibility Matrix at: [HPE Storage Single Point of Connectivity Knowledge - SPOCK](#)

Service and Support

For the most up-to-date information on HPE Services, please refer to the [HPE Services – Supplemental QuickSpecs](#), which provides a comprehensive and regularly updated overview of available services.

Configuration Information

Step 1 - Base Configuration

HPE Storage MSL3040

Base Module

Description

HPE MSL3040 Scalable Base Module

SKU

Q6Q62C

Notes:

- This product is TAA (Trade Agreements Act) compliant.
- The base module is 3U rack mountable.
- Base module enables 40 slots
- Standard power supply is included with the base module.
- Redundant power supply is not included as standard, if required it needs to be added to the order. This needs to be factory integrated, #OD1, in order to be TAA compliant. Redundant power supply is hot-swappable.
- It does not contain any tape drives, up to 3 HH tape drives may be added to the base module
- MSL3040 rack-rail extends between approximately 683 and 900 mm (between 68.3 and 90 cm).

Kit Contents

- 2.5 m PDU Power Cord, C13/C14, 10A
- Rack-mount hardware
- Getting started poster
- Power Supply

HPE StoreEver MSL3040 Scalable Library Expansion Module

Q6Q63A

Notes:

- Expansion module activates 40 slots.
- This product is TAA (Trade Agreements Act) compliant.
- The expansion module is 3U rack mountable.
- It does not contain any tape drives, up to 3 HH tape drives may be added to the expansion module. If drives are added to the expansion module, then a power supply is required. Standard or redundant power supplies are not included. If needed, these will have to be added to the order. Redundant power supply is hot-swappable. If TAA compliance is required, power supplies need to be factory integrated, #OD1.

Kit Contents

- Rack-mount hardware
- Getting started poster
- Module interconnect cable (expansion module only)

Base Module	Maximum number of expansion modules	Maximum tape cartridges
Q6Q62A	6	272
Q6Q62B	6	280
Q6Q62A with SOD78A installed	15	632
Q6Q62B with SOD78A installed	15	640

Configuration Information

Description

HPE StoreEver MSL3040 Upgrade Power Supply Kit

SKU

Q6Q64A

Notes:

- Redundant power supply is not included as standard with the base module, if required it needs to be added to the order. This needs to be factory integrated, #OD1, in order to be TAA compliant
- In EMEA, for the redundant power supply kit (Q6Q64A) to be integrated into the library base module (Q6Q62C), the library must be factory integrated (#OD1) into a rack.
- If the library, Q6Q62C (HPE MSL3040 Scalable Base Module) is racked (OD1), then the Power Supply kit, Q6Q64A (HPE MSL3040 Upgrade Power Supply Kit), or drives can be integrated (OD1) into the library.
- For the expansion module, neither the standard power supply nor the redundant are included. A power supply is only needed if tape drives need to be installed in the expansion module. If TAA compliance is required, power supplies need to be factory integrated, #OD1.
- In EMEA, for the power supply or redundant power supply kits (Q6Q64A) to be integrated into the expansion modules (Q6Q63A), the expansion module must be factory integrated (#OD1) into a rack. If the Expansion Module (Q6Q63A) is racked (OD1), then the Power Supply kit, Q6Q64A (HPE MSL3040 Upgrade Power Supply Kit), or drives can be integrated (OD1) into the Expansion Module
- Redundant power supplies are hot-swappable.

Factory Racking

Factory integrate MSL3040 Tape Library with other HPE products such as HPE ProLiant Servers

#OD1

Notes: #OD1 will appear after the Tape Library part number on the sales order if HPE factory integration is indicated**Step 2 - Select Generation & Quantity of LTO Ultrium Tape Drives****Notes:** Drive Upgrade Kits are hot-replaceable. The drives should be powered down before removal, but the library doesn't need to be powered down to replace them.**HPE StoreEver MSL LTO-9 Ultrium 45000 FC Drive Upgrade Kit****Description**

HPE StoreEver MSL LTO-9 Ultrium 45000 Fibre Channel Drive Upgrade Kit

SKU

R6Q74A

Notes:

- Half height LTO-9 FC tape drive. For use with the MSL 1/8 Autoloader, MSL2024, MSL3040 or MSL6480 libraries. Drive kit includes a tape drive and documentation.
- #OD1 will appear after R6Q74A on the sales order if HPE factory integration is indicated.
- For tape drives to be integrated into the library, the library must be factory integrated (#OD1) into a rack
- (2) LC Optical Fiber Channel Connectors
- RJ-45 Ethernet data verification port
- This product is TAA (Trade Agreements Act) compliant.

HPE StoreEver MSL LTO-9 Ultrium 45000 SAS Drive Upgrade Kit**Description**

HPE StoreEver MSL LTO-9 Ultrium 45000 SAS Drive Upgrade Kit

SKU

R6Q75A

Notes:

- Half height LTO-9 SAS tape drive. For use with the MSL 1/8 Autoloader, MSL2024, MSL3040 or MSL6480 libraries. Drive kit includes a tape drive and documentation.
- #OD1 will appear after R6Q75A on the sales order if HPE factory integration is indicated.

Configuration Information

- For tape drives to be integrated into the library, the library must be factory integrated (#OD1) into a rack
- (2) Mini-SAS HD (SFF8644) Connectors
- (1) RJ-45 Ethernet data verification port
- This product is TAA (Trade Agreements Act) compliant

HPE StoreEver LTO-8 Ultrium 30750 FC Drive Kit

Description	SKU
HPE StoreEver MSL LTO-8 Ultrium 30750 FC Drive Upgrade Kit	Q6Q67A

- Notes:**
- Half height LTO-8 FC tape drive. For use with the MSL2024, 3040 or 6480 libraries. Drive kit includes a tape drive and documentation.
 - #OD1 will appear after Q6Q67A on the sales order if HPE factory integration is indicated.
 - For tape drives to be integrated into the library, the library must be factory integrated (#OD1) into a rack
 - (2) LC Optical Fiber Channel Connectors
 - RJ-45 Ethernet data verification port
 - This product is TAA (Trade Agreements Act) compliant.

HPE StoreEver LTO-8 Ultrium 30750 SAS Drive Kit

HPE StoreEver MSL LTO-8 Ultrium 30750 SAS Drive Upgrade Kit	Q6Q68A
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- Notes:**
- Half height LTO-8 SAS tape drive. For use with the MSL2024, 3040 or 6480 libraries. Drive kit includes a tape drive and documentation.
 - #OD1 will appear after Q6Q68A on the sales order if HPE factory integration is indicated.
 - For tape drives to be integrated into the library, the library must be factory integrated (#OD1) into a rack
 - (2) Mini-SAS (SFF8644) Connectors
 - RJ-45 Ethernet data verification port
 - This product is TAA (Trade Agreements Act) compliant

Step 3 - Select Software Licenses

Select each option as required with quantities specified.

HPE StoreEver MSL TapeAssure Advanced LTU

Quantity	Description	SKU
1 each	HPE StoreEver MSL Command View for Tape Libraries - TapeAssure Advanced LTU	TC406A

- Notes:**
- Advanced analytics feature makes use of predictive analytics to predict the likelihood of failures, bottlenecks and load balancing issues in the tape infrastructure. It has unique capabilities of analytics around drive health and life as well as cartridge health and life.
 - One license needed per library and Command View TL must be installed.
 - This is a paper license that will be mailed.

HPE StoreEver MSL TapeAssure Advanced E-LTU

1 each	HPE StoreEver MSL Command View for Tape Libraries - TapeAssure Advanced E-LTU	TC406AAE
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- Notes:**
- One license needed per library and Command View TL must be installed.
 - This is an electronically delivered License.

Configuration Information

HPE StoreEver MSL3040 CVTL Data Verification Software LTU

Quantity	Description	SKU
1 each	HPE StoreEver MSL3040 Command View for Tape Libraries - Data Verification 100 Cartridges E-LTU	Q8K43AAE

Notes:

- One license needed per library and Command View TL must be installed.
- This is an electronically delivered License.

HPE StoreEver MSL3040 KMIP Key Manager LTU

1 each	HPE StoreEver MSL3040 KMIP Key Manager LTU	Q8K98A
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Notes: This is a paper license that will be mailed.

HPE StoreEver MSL3040 KMIP Key Manager E-LTU

1 each	HPE StoreEver MSL3040 KMIP Key Manager E-LTU	Q8K98AAE
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Notes: This is an electronically delivered License.

HPE StoreEver MSL3040 Secure Manager LTU

1 each	HPE StoreEver MSL3040 Secure Manager LTU	Q8K99A
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Notes: This is a paper license that will be mailed.

HPE StoreEver MSL3040 Secure Manager E-LTU

1 each	HPE StoreEver MSL3040 Secure Manager E-LTU	Q8K99AAE
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Notes: This is an electronically delivered License.

HPE StoreEver MSL3040 LTO-7+ Path Failover LTU

1 each	HPE StoreEver MSL3040 LTO-7+ Path Failover LTU	Q8L00A
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Notes: This is an electronically delivered License.

HPE StoreEver MSL3040 LTO-7+ Path Failover E-LTU

1 each	HPE StoreEver MSL3040 LTO-7+ Path Failover E-LTU	Q8L00AAE
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Notes: This is an electronically delivered License.

Step 4 - Select Additional Accessories**Power Cords**

Quantity	Description	SKU
1 each	HPE C13 - C14 WW 250V 10Amp 2.5m Jumper Cord	142257-002

Notes: This cord ships standard with each MSL3040 Base Tape Library and Power Supply Upgrade Kit. It can be used to connect the rack-mounted device to PDUs with IEC-320 receptacles.

Regional Power Cord Options

Notes: One PDU cord is shipped with each base module (above). If regional power cords are preferred, order qty (1) for the base module and one with each upgrade power supply purchased. Please select the correct power cord for your geographical location.

Configuration Information

Quantity to order: 1 per base module and upgrade power supply

Description	SKU
HPE C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord	AF556A
HPE C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord	AF568A
HPE C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord	AF570A
HPE C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord	AF566A
HPE C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord	AF565A
HPE C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord	AF567A
HPE C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord	AF561A
HPE C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord	AF557A
HPE C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord	AF572A
HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord	AF569A
HPE C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord	AF558A
HPE C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord	AF559A
HPE C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord	AF560A
HPE C13 - SI-32 IL 250V 10Amp 1.83m Power Cord	AF564A
HPE C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord	AF562A

Notes:

- This product can **ONLY** be used with an HPE approved power cord for your specific geographic region. Use of a non-HPE approved power cord may result in:
 - Not meeting individual country specific safety requirements;
 - Insufficient conductor capacity that could result in overheating with potential personal injury and/or property damage
 - An unapproved power cord could fracture resulting in the internal contacts being exposed, which potentially could subject the user to a shock hazard. HPE disclaims all liability in the event a non-HPE approved power cord is used.
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Redundant Power Supply Upgrade Kit

Description

HPE StoreEver MSL3040 Upgrade Power Supply Kit

SKU

Q6Q64A

Notes:

- Redundant power supply is not included as standard with the base module, if required it needs to be added to the order. This needs to be factory integrated, #OD1, in order to be TAA compliant.
- For the expansion module, neither the standard power supply nor the redundant are included. A power supply is only needed if tape drives need to be installed in the expansion module. If TAA compliance is required, power supplies need to be factory integrated, #OD1.
- Redundant power supplies are hot-swappable.

Factory Racking

Factory integrate the MSL Tape Libraries with other HPE products such as HPE ProLiant Servers

#OD1

Notes: #OD1 will appear after the Tape Library part number on the sales order if HPE factory integration is indicated. One Base Module and up to 6 Expansion Modules can be factory integrated up to 21U in a single rack.

Encryption

Description

HPE StoreEver 1/8 G2 Tape Autoloader and MSL Tape Library Encryption Kit

SKU

AM495A

Notes: The Encryption Kit key server token will generate and retain encryption keys for HPE LTO Ultrium tape drives in the library. Works independent of application or backup software; doesn't require ISV support.

HPE StoreEver MSL3040 KMIP Key Manager LTU

Q8K98A

Notes: This is a paper license that will be mailed.

HPE StoreEver MSL3040 KMIP Key Manager E-LTU

Q8K98AAE

Notes: This is an electronically delivered License.

FC Host Bus Adapters

The MSL Libraries are certified with a number of Fibre Channel Host Bus Adapters. For the most current list of supported FC HBAs, please reference the HPE Storage Compatibility Matrix located at:

[HPE Storage Single Point of Connectivity Knowledge - SPOCK](#)

For more information on FC HBAs, see HPE StoreFabric Adapters at:

[HPE Storage Area Networking Solutions | HPE](#)

SAS Host Bus Adapters

The MSL Libraries are certified with a number of SAS Host Bus Adapters and ProLiant Smart Array Controllers. For the most current list of supported devices, please reference the HPE Storage Compatibility Matrix located at:

[HPE Storage Single Point of Connectivity Knowledge - SPOCK](#)

For more information on HPE Smart Array RAID controllers, see Fibre HPE P-class RAID controllers at:

[Smart Array Controllers and Smart Host Bus Adapters | HPE Store US](#)

For more information on HPE ProLiant (SAS) host bus adapters, see H-class HBA controllers at:

[Smart Array Controllers and Smart Host Bus Adapters | HPE Store US](#)

HBAs and SAS Controllers

Description

SKU

HPE Smart Array P408e-p SR Gen10 (8 External Lanes/4GB Cache) 12G SAS PCIe Plug-in Controller 804405-B21

Notes: Recommended for ProLiant Gen10 SAS tape automation connect.

HPE Smart Array E208e-p SR Gen10 (8 External Lanes/No Cache) 12G SAS PCIe Plug-in Controller 804398-B21

Notes: Recommended for ProLiant Gen10 SAS tape automation connect.

Microsemi Adaptec HBA 1100-8e A1100-8E

Notes: Recommended SAS HBA for DL & ML Gen9 servers only. HPE does not provide official support for this adapter, however the configuration is supported.

Optical cables

OM4 LC-LC type cables

Description

SKU

HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 1m Cable QK732A

HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 2m Cable QK733A

HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 5m Cable QK734A

HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 15m Cable QK735A

HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 30m Cable QK736A

HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 50m Cable QK737A

Allowed cable lengths

External Cable type	Drive type	2 GB	4 GB	8 GB
OM2	All drive types	0.5 m - 300 m	0.5 m - 150 m	NA
OM3/OM4	All drive tapes	0.5 m - 500 m	0.5 m - 380 m	0.5 m - 150 m

Notes: The lowest OM rating in a path from the drive to the switch or HBA will dictate the maximum length of the connection path.

Cable Kits (SAS)

HPE External 2.0m (6ft) Mini-SAS HD 4x to Mini-SAS HD 4x Cable 716197-B21

Notes: One cable is required for every LTO-9 tape drive. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

HPE External 4.0m (13ft) Mini-SAS HD 4x to Mini-SAS HD 4x Cable 716199-B21

Notes: One cable is required for every LTO-9 tape drive. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

HPE External 12Gb Mini SAS High Density to Mini SAS High Density 4-lane 2m Fanout Cable P35176-B21

Notes: One cable can connect up to four LTO-9 tape drives. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

HPE External 12Gb Mini SAS High Density to Mini SAS High Density 4-lane 4m Fanout Cable P35175-B21

Notes: One cable can connect up to four LTO-9 tape drives. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

HPE 2.0m External Mini SAS High Density to Mini SAS Cable 716191-B21

Notes: One cable is required for every (non LTO-9) tape drive. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

Description

SKU

HPE 4.0m External Mini SAS High Density to Mini SAS Cable 716193-B21

Notes: One cable is required for every (non LTO-9) tape drive. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

HPE StoreEver Mini-SAS High Density to 4-lane Mini-SAS External Fanout 2m Cable K2R09A

Notes: One cable can connect up to four (non LTO-9) tape drives. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

HPE StoreEver Mini-SAS High Density to 4-lane Mini-SAS External Fanout 4m Cable K2R10A

Notes: One cable can connect up to four (non LTO-9) tape drives. Use this cable to connect HPE MSL SAS Tape Libraries to Storage HBAs with Mini SAS High Density (HD) SAS (SFF8644) ports.

Rack Cabinets

The MSL3040 libraries are supported in a variety of HPE Rack offerings.

For more information on the HPE rack offerings, please see the following URL: [Compute Products and Services | HPE](#)

Notes: If ordering the #0D1 Factory Integration option, the MSL3040 Tape Libraries are certified to ship with one base module and up to 6 expansion modules (up to 21U) installed in the HPE Intelligent Series rack.

Media

Description

SKU

HPE LTO-9 Ultrium 45TB RW Data Cartridge	Q2079A
HPE LTO-9 Ultrium 45TB RW 960 Data Cartridge Pallet without Cases	Q2079AB
HPE LTO-9 Ultrium 45TB RW 960 Data Cartridge Pallet with Cases	Q2079AD
HPE LTO-9 Ultrium 45TB RW 20 Data Cartridges Library Pack without Cases	Q2079AH
HPE LTO-9 Ultrium 45TB WORM Data Cartridge	Q2079W
HPE LTO-9 Ultrium 45TB WORM Custom Labeled 20 Data Cartridges with Cases	Q2079WL
HPE LTO-8 Ultrium 30TB RW Data Cartridge	Q2078A
HPE LTO-8 Ultrium 30TB RW 960 Data Cartridge Pallet without Cases	Q2078AB
HPE LTO-8 Ultrium 30TB RW 960 Data Cartridge Pallet with Cases	Q2078AD
HPE LTO-8 Ultrium 30TB RW 20 Data Cartridges Library Pack without Cases	Q2078AH
HPE LTO-8 Ultrium 30TB WORM Data Cartridge	Q2078W
HPE LTO-7 Ultrium 15TB RW Data Cartridge	C7977A
HPE LTO-7 Ultrium No Case 960 Tape Pallet	C7977AB
HPE LTO-7 Ultrium RW 960 Tape Pallet	C7977AD
HPE LTO-7 Ultrium 15TB Eco Case Data Cartridge 20 Pack	C7977AH
HPE LTO-7 Ultrium WORM Data Cartridge	C7977W
HPE LTO-6 Ultrium 6.25TB RW Data Cartridge	C7976A
HPE LTO-6 Ultrium 6.25TB WORM Data Cartridge	C7976W
HPE LTO-5 Ultrium 3TB RW Data Cartridge	C7975A

Bar Code Labels

Notes: Label packs include 100 data and 10 cleaning tape labels

Description	SKU
HPE LTO-9 Ultrium RW Bar Code Label Pack	Q2017A
HPE LTO-8 Ultrium RW Bar Code Label Pack	Q2015A
HPE LTO-7 Ultrium RW Bar Code Label Pack	Q2014A
HPE LTO-6 Ultrium RW Bar Code Label Pack	Q2013A
HPE LTO-5 Ultrium RW Bar Code Label Pack	Q2011A

Non-Custom Labeled Data Cartridges

Notes: Non-Custom labels will come pre-labeled with a pre-determined number sequence.

HPE LTO-9 Ultrium 45TB RW Non Custom Labeled 20 Data Cartridges with Cases	Q2079AN
HPE LTO-8 Ultrium 30TB RW Non Custom Labeled Library Pack 20 Data Cartridges with Cases	Q2078AN
HPE LTO-7 Ultrium RW No Case Custom Labeled Data Cartridge 20 Pack	C7977AC
HPE LTO-7 Ultrium Non Custom Labeled Data Cartridge 20 Pack	C7977AN
HPE LTO-6 Ultrium 6.25TB RW Non Custom Labeled 20 Data Cartridges with Cases	C7976AN

Custom Labeled Data Cartridges

Notes: Custom labeled products allow customers to customize a specific sequence printed on each label.

HPE LTO-9 Ultrium 45TB RW Custom Labeled Library Pack 20 Data Cartridges without Cases	Q2079AC
HPE LTO-9 Ultrium 45TB RW Custom Labeled 20 Data Cartridges with Cases	Q2079AL
HPE LTO-8 Ultrium 30TB RW Custom Labeled Library Pack 20 Data Cartridges with Cases	Q2078AL
HPE LTO-8 Ultrium 30TB WORM Custom Labeled 20 Data Cartridges with Cases	Q2078WL
HPE LTO-8 Ultrium 30TB RW Custom Labeled Library Pack 20 Data Cartridges without Cases	Q2078AC
HPE LTO-7 Ultrium RW Custom Labeled Data Cartridge 20 Pack	C7977AL
HPE LTO-7 Ultrium WORM Custom Labeled Data Cartridge 20 Pack	C7977WL
HPE LTO-6 Ultrium 6.25TB RW Custom Labeled 20 Data Cartridges with Cases	C7976AL
HPE LTO-6 Ultrium 6.25TB RW Custom Labeled 20 Data Cartridges Library Pack without Cases	C7976AC

Notes: For more information on LTO media, see: [Storage Media | HPE Store US](#)

Pre-Configured Models

HPE Smart Choice purchase program

The HPE Smart Choice purchase program features popular fully configured products that can be quoted in minutes and shipped quickly through HPE Authorized Partners. Products are configured and tested in an HPE factory and stocked at HPE Authorized Distributors and Partners. The products arrive in a single box, making onsite integration easier and more efficient for partners and customers. Additionally, there are aggressively priced HPE Tech Care Services available only through the HPE Smart Choice program when you purchase an HPE Smart Choice product.

For HPE Smart Choice configuration and product details, please visit the Smart Choice Supplemental QuickSpecs: [HPE Smart Choice Purchase Program – Supplemental QuickSpecs](#)

Pre-Configured Models ship with the configurations below.

- Options can be selected from the Core or Additional options section of this QuickSpecs
- HPE does not allow factory integration of options into pre-configured models. Any additional options purchased will not be shipped inside the server.

SKU Number	Model Name	Part Description
P84147-B25	HPE Storage MSL3040 Tape Library 1x MSL LTO-9 Fibre Channel 20x LTO-9 45 TB Data Cartridges	(1) HPE StoreEver MSL3040 Scalable Library Base Module (1) HPE StoreEver MSL LTO-9 Ultrium 45000 FC Drive Upgrade Kit (20) HPE LTO-9 Ultrium 45 TB RW Data Cartridge (1) HPE LTO-9 Ultrium RW Bar Code Label Pack
P77037-B25	HPE Storage MSL3040 Tape Library 1x MSL LTO-9 SAS Drive 20x LTO-9 45 TB Data Cartridges	(1) HPE StoreEver MSL3040 Scalable Library Base Module (1) HPE StoreEver MSL LTO-9 Ultrium 45000 SAS Drive Upgrade Kit (20) HPE LTO-9 Ultrium 45 TB RW Data Cartridge (1) HPE LTO-9 Ultrium RW Bar Code Label Pack

Technical Specifications

MSL3040		
Drive Technology	LTO-9 Ultrium 45000 LTO-8 Ultrium 30750	
Maximum Number of Drives	3 HH (per Module)	
- Per Module		
- Per fully expanded Library	48 HH (per Library)	
Number of Slots	40 (Base Module)/40 (Expansion Module)	
- Per Module		
- Per fully expanded Library	640 (per Library) Notes: (if installing an SOD78A please see the table above)	
Drive Interface	8 Gb Native Fibre Channel 12 Gb/sec SAS (LTO-9) 6 Gb/sec SAS (LTO-8 and earlier)	
Maximum Capacity	Native	720 TB (LTO-9, 40 slots)
	- Per Base Module	480 TB (LTO-8, 40 slots)
	- Per Full Library	11.52 PB (LTO-9, 640 slots) 7.68 PB (LTO-8, 640 slots)
	Compressed (2.5:1)	1.8 PB (LTO-9, 40 slots) 1.2 PB (LTO-8, 40 slots)
Maximum Transfer Rate	- Per Module	28.8 PB (LTO-9, 640 slots) 19.2 PB (LTO-8, 640 slots)
	Native	3.24 TB/hour (with 3 LTO-9 drives) 3.24 TB/hour (with 3 LTO-8 drives)
	- Per Module	
	- Per Library	51.5 TB per hour (with 48 LTO-9 drives) 51.5 TB per hour (with 48 LTO-8 drives)
Maximum Transfer Rate	Compressed (2.5:1)	Up to 8.1 TB per hour (with 3 LTO-9 drives) Up to 8.1 TB per hour (with 3 LTO-8 drives)
	- 3 HH drives Per Module	
	- 48HH drives Per Library	Up to 129.6 TB per hour (with 48 LTO-9 drives) Up to 129.6 TB per hour (with 48 LTO-8 drives)
Dimensions	Out-of-Box (HxWxD)	5.24 X 18.98 X 35.04 in (13.3 x 48.2 x 89.0 cm)
	Shipping (HxWxD)	12.68 X 27.17 X 45.67 in (32.2 x 69.0 x 116 cm)

Technical Specifications

MSL3040		
Weight	Out of box	Base module: 44.09 lbs (20 kg) Expansion module: 33.07 lbs (15 kg) Redundant Power Supply: 3 lbs (1 kg) Drives (either FC or SAS, LTO-8 thru 9): 5 lbs (2 kg)
	Shipping	Base module: 68.34 lbs (31 kg) Expansion module: 52.91 lbs (24 kg)
Notes: The weight of each library varies based on the number of modules, power supplies and LTO tape drives contained in the configuration. Configurations with different numbers of modules, tape drives and power supplies can be calculated by adding or subtracting the corresponding weights.		
Reliability	MTBF (mean time between failures)	125,000 hours (based on 1 m MSBF)
	MSBF (Mean swaps before failure)	1,000,000
Average Cartridge Swap Time (drive to slot, slot to drive)		26 seconds (Base Unit)
Initialization Time		77 to 204 seconds Notes: For LTO-9 see LTO-9 media initialization section
Inventory Time		50 seconds (average) Base unit
Connectors	Drive: (2) Mini-SAS (MSL SAS LTO-8 and earlier models only) (2) Mini-SAS HD (MSL SAS LTO-9 model only) (2) LC Optical Fibre (MSL FC models only) (1) RJ-45 Ethernet data verification port Library: (1) RJ-45 data verification port (1) RJ-45 remote library management port (2) USB ports (supports USB encryption kit or support/maintenance functions)	
Operator Control Panel (front panel)	Monochrome graphic display, 4 inch diagonal, 240 by 128 black dots, 4/3 aspect ratio	
Management Interface	10Base-T, 100Base-TX and 1000BASE-T Mbits/second, auto-configuring interface. RJ-45 connection. Https configurable.	
Input Requirements	100-240 VAC, 3.7A Max., 50/60 Hz	
Relative Humidity (non-condensing)	Operating	20% to 80%
	Shipping	20% to 90%
Temperature Range (wet bulb)	Operating (LTO-8)	50° to 95° F (10° to 35° C)
	Operating (LTO-9)	59° to 89° F (15° to 32° C)
	Shipping	-22° to 140° F (-30° to 60° C) Notes: Library operating temperature limits are based on the industry standard tape limit.
Altitude	Operating	Operating altitude is drive dependent, see the MSL3040 User and Service guide for specifications
	Shipping	35,000 ft (10,675 m)

Summary of Changes

Date	Version History	Action	Description of Change
08-Sep-2026	Version 37	Changed	The updates strengthen the HPE Storage MSL3040 Tape Library's positioning in four ways: - Standards-based: Explicit open-LTO language reinforces that the solution uses an industry-standard format rather than a proprietary media ecosystem. - Interoperable: Cross-vendor tape interchangeability gives customers greater flexibility in mixed-vendor environments. - Migration-friendly: Clarified backward-write compatibility supports continued use of LTO-8 media with LTO-9 drives and LTO-7 media with LTO-8 drives, improving the investment-protection story. - Technically credible: Removing the LTO-10 compatibility entry aligns the document with currently supported LTO-8 and LTO-9 drive generations and avoids overstating future capability.
		Removed	Obsolete or not supported SKUs removed - C7976BW, C7976BN
03-Aug-2026	Version 36	Changed	Main changes in this version: - Large-scale simplification of Standard Features content. - Rewritten Encryption, WORM, Failover, and LTFS sections. - Major reduction of LTO-7 prominence throughout the document. - Introduction of LTO-10 compatibility references. - Replacement of detailed HPE Services content with a supplemental QuickSpecs reference. - Expanded customer-centric and solution-oriented language across nearly every major section.
		Removed	Obsolete or not supported SKUs removed - N7P37A, C7975AN, SOD78A.
15-Dec-2025	Version 35	Changed	Overview, Key Features, and Partitioning sections updated to include MSL Vault Partition and Multifactor Authentication (MFA) details; added HPE Tech Care Service information; updated Configuration Information with new SKUs and notes; removed obsolete optical cable SKUs and LTO-6 BaFe media references.
02-Sep-2025	Version 34	Changed	Pre-Configured Models section was updated - HPE Smart Choice purchase program information was added
04-Aug-2025	Version 33	Changed	QuickSpecs name rebranding
		Removed	Obsolete SKUs were removed - C7975AL, C7975AC
03-Feb-2025	Version 32	Changed	Configuration Information section was updated
02-Dec-2024	Version 31	Changed	Overview, Standard Features and Configuration Information sections were updated
15-Jul-2024	Version 30	Changed	Standard Features, Configuration Information, Related Options and Technical Specifications sections were updated
			Removal of LTO-6 information

Summary of Changes

Date	Version History	Action	Description of Change
06-May-2024	Version 29	Changed	Standard Features, Configuration Information, Related Options and Technical Specifications sections were updated
22-Jan-2024	Version 28	Changed	Service and Support, Configuration Information and Related Options sections were updated
13-Nov-2023	Version 27	Changed	HPE Services Rebranding
18-Sep-2023	Version 26	Changed	Technical Specifications section was updated
07-Aug-2023	Version 25	Changed	Related Options and Technical Specifications sections were updated
24-Jul-2023	Version 24	Changed	Standard Features, Service and Support, Configuration Information and Related Options sections were updated
13-Mar-2023	Version 23	Changed	Technical Specifications section was updated
06-Feb-2023	Version 22	Changed	Service and Support, Configuration Information and Technical Specification sections were updated.
10-Jan-2023	Version 21	Changed	Configuration Information section was updated
05-Dec-2022	Version 20	Changed	Overview, Standard Features, Configuration Information, Related Options and Technical Specifications sections were updated
18-Apr-2022	Version 19	Changed	Technical Specifications section was updated
07-Feb-2022	Version 18	Changed	Overview, Standard Features and Configuration Information sections were updated
10-Jan-2022	Version 17	Changed	Overview, Standard Features, Configuration Information, Related Options and Technical Specifications sections were updated
15-Sep-2021	Version 16	Changed	Standard Features and Service and Support sections were updated.
07-Jun-2021	Version 15	Changed	Standard Features section was updated.
01-Feb-2021	Version 14	Changed	Related Options section was updated.
07-Dec-2020	Version 13	Changed	Technical Specifications section was updated
05-Oct-2020	Version 12	Changed	Configuration Information section was updated
08-Sep-2020	Version 11	Changed	Configuration Information section was updated
17-Aug-2020	Version 10	Changed	QuickSpecs layout was updated and Branding Refresh was applied.
09-Dec-2019	Version 9	Changed	Related Options section was updated
07-Oct-2019	Version 8	Changed	Related Options section was updated
03-Jun-2019	Version 7	Changed	Overview section was updated.
15-Apr-2019	Version 6	Changed	Overview and Configuration Information sections were updated.
04-Mar-2019	Version 5	Changed	Related Options section was updated.
01-Oct-2018	Version 4	Changed	Overview, Product Highlights, Service and Support, Configuration Information, Related Options and Technical Specification sections were updated. SKU descriptions were updated. Obsolete SKUs were removed.
05-Mar-2018	Version 3	Changed	Product Highlights and Related Options were revised.
05-Feb-2018	Version 2	Changed	Product Highlights and Related Options were revised.
04-Dec-2017	Version 1	New	New QuickSpecs

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For tape drives and media, 1 GB = 1 billion bytes. Actual formatted capacity is less.

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