



Hewlett Packard Hewlett Packard Enterprise Support Center Enterprise

Drivers & software

HPE StoreEver MSL6480 Tape Library Firmware

Type:	Firmware
Version:	6.60(9 Sep 2024)
Upgrade Requirement:	Recommended
Operating System(s):	OS Independent

Description

HPE StoreEver MSL6480 Tape Library firmware. This firmware can be installed from the Remote Management Interface (RMI). For instructions, see the release notes or the HPE StoreEver MSL6480 Tape Library User and Service Guide.

Release Notes

End User License Agreements:

[HPE Software License Agreement v1](#)

<https://downloads.hpe.com/pub/softlib2/software1/doc/p1796552785/v113125/eula-en.html>

Important:

HPE GPG Signature Verification

The .sig file on this page can be used with GPG to validate and verify the digital signature of the .frm firmware file on this page.

GPG Signature Verification Procedure:

Verify the signature by running 'gpg --verify ' Name.of.Sig.File'

Note: The HPE Public Key, hpePublicKey2048_key1.pub (fingerprint: 26C2B797), is required to support signature verification and is available from the HPE Software Delivery Repository (SDR)

<https://downloads.linux.hpe.com/SDR/keys.html>

<https://downloads.linux.hpe.com/SDR/keys.html>). Download the HPE Public key and import the key using "gpg --import hpePublicKey2048_key1.pub" command before running the verification command.

HPE StoreEver MSL6480 Tape Library Version 6.60 Firmware

Release Notes

Abstract

This document provides information about enhancements and fixes to the firmware for the HPE StoreEver MSL6480 Tape Library.

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Description

This release includes updated firmware for the HPE StoreEver MSL6480 Tape Library. This firmware can be updated from the library remote management interface (RMI) or operator control panel (OCP).

Library firmware version

6.60

Update recommendation

Update Recommendation: Recommended.

Supersedes information

Supersedes: All previous firmware versions.

Product models

This release applies to all HPE StoreEver MSL6480 Tape Libraries.

Languages

Languages supported for this release:

- English
- Japanese for the library RMI

Compatibility notes

This version of MSL6480 firmware is compatible with:

- HPE Library and Tape Tools (L&TT) standalone version 6.5 and newer
- Command View for Tape Libraries (Command View TL) version 6.5.64 and newer
- TapeAssure Advanced (license installed and used with Command View TL 6.5.64 and newer)
- Data Verification (license installed and used with Command View TL 6.5.64 and newer)

Bar code label length

The industry standard length of bar code labels is eight total characters, including the media ID. Because of this, Hewlett Packard Enterprise tape libraries and associated application software (such as Command View TL, and other backup applications) are tested by Hewlett Packard Enterprise using eight character bar code labels. Although the MSL6480 can read labels with more than eight characters, some applications might not operate correctly with these labels. For compatibility with other libraries and with applications, Hewlett Packard Enterprise recommends using eight character bar code labels when possible.

MSL Encryption Kit token backup file format change

Firmware version 4.30 changed the MSL Encryption Kit token backup file format and file extension. Hewlett Packard Enterprise recommends creating a token backup file after loading 4.30 or later firmware. The new token backup file format is compatible with other MSL tape libraries.

When changing firmware

Because each firmware revision contains new features, some configuration settings are not retained when earlier firmware versions are loaded. Hewlett Packard Enterprise recommends against downgrading firmware unless instructed to do so by a support engineer. Always verify configuration settings after installing firmware.

Enhancements

The following enhancements are included in this firmware version:

- Updated wording of events 2103 and 2104
- OpenSSL updated to version 3.0.9
- Lighttpd updated to version 1.4.64
- Updated the ESKM SDK to support OpenSSL3.x
- zlib updated to version 1.2.13
- agent++ updated to version 4.6.0
- php updated to version 8.2.9
- Added the ability to use the IP as the Subject Alternative Name (SAN) when creating a custom certificate

Fixes

The following fixes are included in this firmware version:

- Drives do not appear out of order on the Maintenance > Download Support Ticket page of the RMI.
- Fixed an issue where drives with Prevent Media Removal set would cause failures in the LTO-9 New Media Initialization Wizard.
This requires LTO-9 firmware version R3G3 or later.
- SCSI Log Page 3Eh now correctly allocates the drive fan numbers.
- Fixed a case where CVTL was unable to pull a drive support ticket.

- Encryption configuration change events are now added to the config log.
- SNMPv3 trap receiving now works correctly with DES encryption protocol.
- Fixed an issue where the OCP could get out of sync and cause errors.
- Fixed an issue where NTP may not correct time properly.

Known issues and workarounds

- **Issue:** Pulling on the magazine handle while the library is unlocking the magazine can damage the library.

Workaround: When opening a magazine, wait until the OCP or RMI says that the magazine is unlocked before attempting to remove it.

- **Issue:** Command View for Tape Libraries (Command View TL) Data Verification tests yield “Test Incomplete” status after one of the following occurs:
 - Modifying the DVP partition
 - Adding, removing, or replacing a tape drive
 - Rebooting the library or drives, or taking a drive off line

Workaround: Stop and restart the Command View TL DV service.

1. Stop the Command View TL DV service.
 - a. In Command View TL, open the Library page.
 - b. Select the library that is configured for Data Verification.
 - c. From the library screen, select Data Verification.
 - d. Click Stop for the library to stop the DV service.
2. Use Command View TL or the library RMI or OCP to remove any media from drives assigned to the DVP partition.
3. In the Command View TL Data Verification screen for the library with Data Verification configured, start the DV service.

The DV service will rescan the slots and drives assigned to the DVP partition and restart the DV service.

- **Issue:** When using the Edge compatibility mode on some Internet Explorer 11 versions, the RMI logs out after starting a drive or library firmware update.

Workarounds:

- Log back in to the RMI and let the firmware upgrade complete. When updating drive firmware, you can log in immediately. When updating library firmware, you can log in when the library has completed initialization.
- Use a different browser when upgrading firmware from the RMI.

Installation instructions

RMI installation instructions

Procedure

1. Log in to the RMI as the administrator user.
2. From the Maintenance > Firmware Upgrades > System Firmware screen, browse to the location of the library firmware file and then click Upload.

OCP installation instructions

Procedure

1. Copy the firmware file to a USB flash drive.
2. Log in to the OCP as the administrator user.
3. Insert the USB flash drive into the USB port on the front of the library.

4. Navigate to the Maintenance > Firmware Upgrade > System Firmware screen, and then follow the prompts to complete the firmware upgrade.

Related information

The latest documentation is available in the Storage section of the Support Center

<https://www.hpe.com/support> (<https://www.hpe.com/support>).

To find documents for this product:

1. Type **MSL6480** in the search bar.
2. Choose the MSL6480 from the product list.
3. Select the Documents tab.
4. Type the last part of the document name, for example Getting Started in the search box.

- HPE StoreEver MSL6480 Tape Library Getting Started Guide
- HPE StoreEver MSL6480 Tape Library User and Service Guide
- HPE StoreEver MSL6480 Tape Library Command Line Interface Guide
- HPE StoreEver MSL Tape Libraries Encryption Key Server Configuration Guide
- HPE StoreEverTape Libraries Failover User Guide

Websites

General websites

Single Point of Connectivity Knowledge (SPOCK) Storage compatibility matrix

<https://www.hpe.com/storage/spock> (<https://www.hpe.com/storage/spock>)

Storage white papers and analyst reports

<https://www.hpe.com/storage/whitepapers> (<https://www.hpe.com/storage/whitepapers>)

For additional websites, see [Support and other resources](#).

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<https://www.hpe.com/info/assistance> (<https://www.hpe.com/info/assistance>)
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
<https://www.hpe.com/support/hpesc> (<https://www.hpe.com/support/hpesc>)

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

HPE product registration

To gain the full benefits of the Hewlett Packard Enterprise Support Center and your purchased support services, add your contracts and products to your account on the HPESC.

- When you add your contracts and products, you receive enhanced personalization, workspace alerts, insights through the dashboards, and easier management of your environment.
- You will also receive recommendations and tailored product knowledge to self-solve any issues, as well as streamlined case creation for faster time to resolution when you must create a case.

To learn how to add your contracts and products, see <https://www.hpe.com/info/add-products-contracts> (<https://www.hpe.com/info/add-products-contracts>).

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:
Hewlett Packard Enterprise Support Center
<https://www.hpe.com/support/hpesc> (<https://www.hpe.com/support/hpesc>)
My HPE Software Center
<https://www.hpe.com/software/hpesoftwarecenter>
(<https://www.hpe.com/software/hpesoftwarecenter>)
- To subscribe to eNewsletters and alerts:
<https://www.hpe.com/support/e-updates> (<https://www.hpe.com/support/e-updates>)
- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center More Information on Access to Support Materials page:
<https://www.hpe.com/support/AccessToSupportMaterials>
(<https://www.hpe.com/support/AccessToSupportMaterials>)

IMPORTANT:

Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Account set up with relevant entitlements.

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which initiates a fast and accurate resolution based on the service level of your product. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

HPE Get Connected

<https://www.hpe.com/services/getconnected> (<https://www.hpe.com/services/getconnected>)

HPE Tech Care Service

<https://www.hpe.com/services/techcare> (<https://www.hpe.com/services/techcare>)

HPE Complete Care Service

<https://www.hpe.com/services/complecare> (<https://www.hpe.com/services/complecare>)

Warranty information

To view the warranty information for your product, see the [warranty check tool](https://support.hpe.com/connect/s/?card=wpointing) (<https://support.hpe.com/connect/s/?card=wpointing>).

Regulatory information

To view the regulatory information for your product, view the Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products, available at the Hewlett Packard Enterprise Support Center:

<https://www.hpe.com/support/Safety-Compliance-EnterpriseProducts>
(<https://www.hpe.com/support/Safety-Compliance-EnterpriseProducts>)

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

<https://www.hpe.com/info/reach> (<https://www.hpe.com/info/reach>)

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

<https://www.hpe.com/info/ecodata> (<https://www.hpe.com/info/ecodata>)

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

<https://www.hpe.com/info/environment> (<https://www.hpe.com/info/environment>)

Documentation feedback

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, use the Feedback button and icons (at the bottom of an opened document) on the Hewlett Packard Enterprise Support Center portal (<https://www.hpe.com/support/hpesc>) to send any errors, suggestions, or comments. This process captures all document information.

Revision History

Version

6.70(7 Nov 2025)

Version

6.60(9 Sep 2024)

Version

6.40(16 May 2023)

Version

6.30(16 May 2023)

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