

Scalar i7 RAPTOR Release Notes 140Q.GS087

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| Product/Software Release Date | June 2026 |
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About This Release

The Scalar i7 RAPTOR 140Q.GS087 release is a feature and maintenance firmware release for the Scalar i7 RAPTOR libraries that details bug fixes described in the [Resolved Issues](#) section. Refer to [Known Issues](#) for additional information.

What's New in this Release?

This release supports the Scalar i7 RAPTOR library. Fixes include:

- LTO-10 drive firmware update (T3S2).
- LTO-9 drive firmware update (T3Q0).
- New tape lock duration feature (Partition Media Access).
- To view all bug fixes and enhancements, see [Resolved Issues on page 8](#)

Important Information - R/W Audits

Due to a known issue in the current IBM LTO drive firmware, Quantum recommends that you do not enable the R/W Audit policy or initiate drive R/W Audit tests in this release of library firmware. Due to this known drive firmware issue, R/W Audits may return incorrect results and generate incorrect RAS tickets.

General Information

- The i7 RAPTOR library WebGUI application requires that the browser cache be cleared and the application re-loaded to ensure that all new functionality is implemented.
- Some snapshots, logs or RAS tickets are as large as 12 MBs. If you have automated notifications configured for RAS tickets and logs you may not receive them if your email does not allow attachments of this size.
- The Web client places a cookie on the user's computer to provide the last user's credentials upon login. The cookie only collects the user's credentials to facilitate login, and does not collect any other user data.
- Any application or browser connecting over https must support TLS v1.2 or higher.
- To help maintain system integrity and for marketing purposes, Quantum regularly collects system information through cloud based telemetric auto support. Thee auto support telemetric data contain configuration and status information only, and do not contain any customer data stored on the system.

Auto Support

To disable this function:

1. Log on to your library.
2. Select **Notifications** from the **Navigation** menu.
3. Select the check box next to *Auto Support* in the **North Panel**.
4. To disable RAS tickets, select **RAS Tickets** From the **Operation** panel.
5. De-select the **Enable Auto Support Communication** check box.
6. Click **Apply**, then **Close**.
7. From the **Operation** panel, select **Reports**.
8. Click the trash can icon next to **Scalar Telemetry** report.
9. Click **Apply**, then **Close**.

After a library firmware upgrade, Quantum recommends that you clear your web browser cache before logging back into the WebGUI.

Library Default Settings

The Scalar i7 RAPTOR software is installed with certain default settings. This section outlines those default settings. Review this section to determine if any of the default settings need to be changed to make your library run more effectively.

| WebGUI Path | Option | Default Setting |
|---------------------------------------|---|---------------------|
| User Access > Settings | Local User Interface (LUI) Access | Open Access |
| | Admin/User Access: Session Timeout | 15 minutes |
| | Services Access: Enable Remote Access | Disabled |
| | Enable Local Service Port Login: Access Window | Indefinite |
| Notifications > RAS Tickets | Enable RAS Tickets | Enabled |
| | Severity | All options Enabled |
| Library > IE Area | I/E Slots | 0 (zero) |
| Library > Settings | Operational Parameters: Automatic Inventory | Disabled |
| | Operational Parameters: Library Assisted Drive Unload | Disabled |

| WebGUI Path | Option | Default Setting |
|----------------------------------|--|-----------------|
| | Operational Parameters: Logical Drive Serial Number Addressing | Enabled |
| | Operational Parameters: Logical System Addressing | Disabled |
| | IE Assignment Mode: Local UI Assignment | Enabled |
| System > Network | Connectivity / SSH | Disabled |
| System > Notifications | Email Reports / Auto Support | Enabled |
| System > Settings | Library-Initiated Website Access | Enabled |

Security Scanners

Quantum tests with the following Security scanners against the library:

- Tenable Nessus Professional Version 10 - Version : 10.9.2 (#17) WINDOWS

No high/critical vulnerabilities found against this release using Nessus Professional Security Scanner.

Compatibility and Support

Encryption Key Management Drive Support

The following table provides the encryption key management drive support.

Full-Height Drives

| Encryption Option | IBM LTO-7 (FH) | IBM LTO-8 (FH) | IBM LTO-9 (FH) | IBM LTO-10 (FH) |
|--------------------------------|----------------------|----------------------|----------------------|----------------------|
| Application Managed Encryption | Supported | Supported | Supported | Supported |
| SKM | Requires SKM License | Requires SKM License | Requires SKM License | Requires SKM License |
| IBM SKLM (KMIP) ² | Requires EKM License | Requires EKM License | Requires EKM License | Requires EKM License |
| KMIP Key Manager ¹ | Requires EKM License | Requires EKM License | Requires EKM License | Requires EKM License |

1. Only SafeNet/Thales encryption key servers are supported/tested KMIP configurations.

2. Applies to IBM SKLM and GKLM key server communication using the KMIP communication protocol.

Web Browser Support

The Scalar i7 RAPTOR WebGUI supports the following web browsers. Quantum recommends upgrading to the latest version of the browser.

| Web Browser | Versions Supported |
|-------------------|---------------------------|
| Internet Explorer | Not supported. |
| Google Chrome | Recommend latest version. |
| Mozilla Firefox | Recommend latest version. |
| Apple Safari | Recommend latest version. |
| Microsoft Edge | Recommend latest version. |

Drive Firmware

Scalar i7 RAPTOR Drives

| FC Full High (FH) Drive Types | Latest Firmware Version |
|-------------------------------|------------------------------|
| IBM LTO-7 (FC) (FH) 8 Gb | S2T4 (Standard) ¹ |
| | S2T4 (FIPS) |
| IBM LTO-8 (FC) (FH) 8 Gb | S2T4 (Standard) ¹ |
| | S2T4 (FIPS) |
| IBM LTO-9 (FC) (FH) 8 Gb | T3Q0 (Standard) ¹ |
| | T3Q0 (FIPS) |
| IBM LTO-9 (SAS) (FH) 12 Gb | T3Q0 (Standard) ¹ |
| | T3Q0 (FIPS) |
| IBM LTO-10 (FC) (FH) 32 Gb | T3S2 (Standard) ¹ |
| | T3S2 (FIPS) |
| IBM LTO-10 (SAS) (FH) 12 Gb | T3S2 (Standard) ¹ |
| | T3S2 (FIPS) |

¹ Bundled with library firmware.

Tape Drive Driver Versions

Latest tape driver versions are located on the **Drivers** tab of the **Scalar i7 RAPTOR Downloads** page.

<https://www.quantum.com/en/service-support/downloads-and-firmware/scalar-i7-raptor/>

Resolved Issues

This release of i7 RAPTOR 140Q.GS087 firmware resolved the following issues (bug fixes).

| Change Request Number | Customer Case Number | Description | Resolution |
|---|----------------------|--|--------------|
| SI7-294 | | Media Block Canceled RAS ticket (RT213) added. | Enhancement. |
| SI7-604 SI7-1607 SI7-1608 WUI-2340 | | Tape lock duration feature (Partitions > Media Access) added. | Enhancement. |
| SI7-1235 | | RCS GET issue causes LTO-9 media calibration cancellation. | Fixed. |
| SI7-1410 | | Offline EDLM drive reports RAS ticket for unexpected media presence. | Fixed. |
| SI7-1579 | 864920 | Incorrect RAS ticket generated from library reset after tape move fails and robot does not become ready. | Fixed. |
| SI7-1634 | | R/W test audit failure occurs. | Fixed. |
| SI7-1653 WUI-2357 WUI-2375 | | New drive R/W audit test added to Drive Test dialog box. | Enhancement. |
| SI7-1654 SI7-1434 | | Network connectivity lost to WebGUI during a complete library inventory. | Fixed. |
| SI7-1658 | | Access restrictions for GET <code>/aml/system/configurationChanges/report</code> now allow User and Service roles to view, save, and send the Library Configuration Change report. | Enhancement. |
| SI7-1659 | 00868353 | Drive PUT issues after robot service tray replacement. | Fixed. |

| Change Request Number | Customer Case Number | Description | Resolution |
|-----------------------|----------------------|--|--------------|
| SI7-1660 | 00866150 874265 | SNMP access issue occurs where a deleted user continues to function in SNMP queries. | Fixed. |
| SI7-1661 | | Status flag that causes the library to continue inventory from the last failed location removed when inventory issues are resolved and partial operations supported. | Enhancement. |
| SI7-1665 | | Core enhancements to improve library inventory operations. | Enhancement. |
| SI7-1676 WUI-2371 | | LTO-10 FC tape drives support Auto/8/16/32 Gb/sec speed configurations. | Enhancement. |
| SI7-1704 | 871843 | Documentation updated to note that the LUI screen replacement is not hot swappable. | Fixed. |
| SI7-1725 | | R/W audit test reports false positives. | Fixed. |
| SI7-1729 | 872466 | Unexpected tray removal RAS ticket generated when no manual intervention occurs. | Fixed. |
| SI7-1732 | | New LTO-9 drive firmware (T3Q0) | Enhancement. |
| SI7-1750 | 854250 | Drive error causes LTO-9 calibration to fail, but WebGUI indicates successful calibration. | Fixed. |
| SI7-1767 | | Invalid move destination occurs during move media request. | Fixed. |
| SI7-1769 | 00873842 | Inventory drive issues. | Fixed. |
| SI7-1855 | | New LTO-10 drive firmware (T3S2). | Enhancement. |
| WUI-2319 | | New failed state support added for diagnostic tests. | Enhancement. |
| WUI-2326 | | Network connection loss issue during library inventory that causes the library WebGUI to become unreachable. | Fixed. |
| WUI-2330 | | Media block button disabled for cleaning media in a partition for application managed cleaning. | Fixed. |
| WUI-2338 | 854250 | Media calibration status updated to "Already Calibrated" in WebGUI | Enhancement. |
| WUI-2349 | 00868263 | User role cannot access Reports. | Fixed. |

Resolved Issues

| Change Request Number | Customer Case Number | Description | Resolution |
|-----------------------|----------------------|--|------------|
| WUI-2352 | 75806 834807 | Unable to set a control path drive in the WebGUI. | Fixed. |
| WUI-2376 | | Firmware download issue from Quantum hosted servers. | Fixed. |

Known Issues

This release of i7 RAPTOR 140Q.GS087 firmware has the following known issues:

| Change Request Number | Description | Workaround |
|-----------------------|--|---|
| SI7-1537 | Drive calibration status does not change when an LTO-9 drive is selected for calibration. | Wait 30 seconds for the drive status to update. |
| SI7-1560 | A library reset operation may incorrectly restart tape drives and interfere with I/O operations to one or more tape drives at times. | None at this time. Select an opportune time to perform a Library Reset operation, to make sure host operations will not get affected |
| SI7-1666 | WebGUI displays the incorrect SCSI element address at times, and shows valid address other times but does not match the SCSI address of the RASagent file | There is currently no workaround. Issue will be addressed in a future release. |
| SI7-1836 | Drive is not initializing and cannot be varied off if drive status indicates media is not seated and motion status is idle. | Remove and reinsert the drive. |
| SI7-1842 | LUI turns blank or loses functionality and does not accept command input if there are too many open RAS tickets displayed. The LUI freezes or does not show all text in RAS ticket summary displays. | Wait for a while and retry selections to determine when the LUI restarts. If the issue does not resolve, Restart/Reset the library to unfreeze LUI. |
| SI7-1884 | A library restart/reboot operation should include all drives restart and recover. Currently, some drives may restart and others may not. | None at this time. Will be addressed in future release. |
| WUI-2006 | LDAP - Enable Kerberos does not occur if the Kerberos configuration was previously enabled and disabled. | Disable and re-enable LDAP. |
| WUI-2160 | Spinner continues after library snapshot file has already been created and downloaded. | Check downloads folder to verify that the snapshot download is complete. Once complete, log out and log back into the WebGUI to clear the spinner. |

Documentation

Scalar i7 RAPTOR Documentation

All Scalar i7 RAPTOR documentation is available at the Scalar i7 Documentation Center:
www.quantum.com/Scalari7RAPTORDocs

Scalar i7 RAPTOR documentation includes:

- Site Planning Guide
- Installation Guide
- Operation Guides
- Repair and Upgrade Guides
- Reference Guides (Web Services, SCSI, SNMP)

Contacting Quantum Support

Below is information related to contacting Quantum Support as well as steps to improve your Quantum customer journey.

- [Open a Service Case below](#)
- [Use MyQuantum Service Delivery Platform below](#)
- [Use Cloud Based Analytics \(CBA\) on the next page](#)
- [Escalate a Service Case on the next page](#)
- [Contact Quantum Sales on the next page](#)

Open a Service Case

Use any of the following methods to open a service case:

- Visit the [MyQuantum](#) portal (for more information, see [Use MyQuantum Service Delivery Platform below](#)).

i Note: The MyQuantum portal is the most efficient and preferred method to open a service case.

- Visit the [Service & Support](#) page.

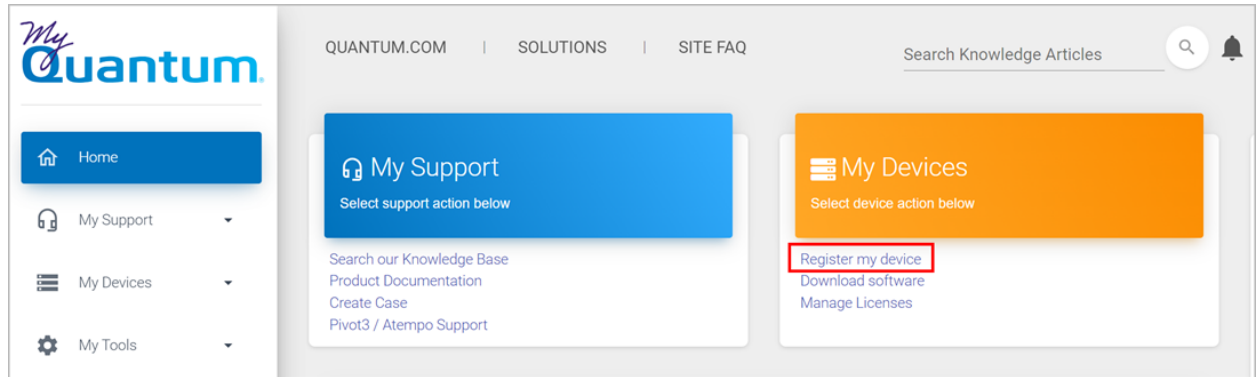
i Note: You can also access other Support related services.

- Call Quantum Support (see [Service & Support](#)).

Use MyQuantum Service Delivery Platform

MyQuantum is a single portal for everything Quantum. You can view assets, open service cases, receive real-time updates, and search the Knowledge Base and documentation, all through a secure, online portal.

1. Create an account and log in to the [MyQuantum Service Delivery Platform](#).
2. Register a product on [MyQuantum](#).



3. Request site access to the Cloud-Based Analytics (CBA) monitoring portal and follow the instructions to set up product(s) to connect to CBA. You can use CBA to monitor Quantum products remotely, from a single dashboard, and Quantum Support can use it to help troubleshoot products more efficiently.

Use Cloud Based Analytics (CBA)

Quantum products are equipped with a Cloud Based Analytics (CBA) agent that can provide log files and snapshots to Quantum CBA servers that are running in the cloud.

CBA enables Quantum systems to collect data regarding system and environment performance. The collected data is bundled and uploaded to the remote CBA server for analysis. You can access Quantum system performance and health results on the CBA dashboard (at <https://insight.quantum.com>) or through the MyQuantum Service Delivery Platform.

The CBA dashboard displays the analytic results of the uploaded CBA data using flexible charting tools, along with an overall health score of each Quantum system configured for the CBA account.

Refer to product documentation for product-specific information related to CBA.

Refer to the [Quantum CBA website](#) for general information about CBA.

Escalate a Service Case

To escalate a service case, follow the process documented here: <https://www.quantum.com/en/service-support/resources/escalation/>

Contact Quantum Sales

<https://www.quantum.com/en/company/contact-us/>