Quantum

Scalar i7 RAPTOR
Release Notes 141Q.GS020

Product/Software Release Date	November 2026

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About This Release

IMPORTANT INFORMATION

The Scalar 141Q.GS020 release supports new library installations only. DO NOT upgrade a current Scalar i7 RAPTOR library to this firmware version.

The Scalar i7 RAPTOR 141Q.GS020 release supports new Scalar i7 RAPTOR library installations. Bug fixes are described in the Resolved Issues section. Refer to Known Issues for additional information.

What's New in this Release?

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

- PHP2Shell (CVE-2026-109618 and CVE-2026-109619) security vulnerability fix.
- Robot camera lens and calibration enhancements.
- Sensitive hall sensor support.
- 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. The auto support telemetric data contains 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 Telemetrics** 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)

WebGUI Path	Option	Default Setting
Library > Settings	Operational Parameters: Automatic Inventory	Disabled
	Operational Parameters: Library Assisted Drive Unload	Disabled
	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 : 10.12.4 (#38) 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 141Q.GS020 firmware resolved the following issues (bug fixes).

Change Request Number	Customer Case Number	Description	Resolution
SI7-1969		Slow library snapshot collection.	Fixed.
SI7-1970 SI7-1994		Robot picker camera lenses cause calibration and positioning errors. Improvements to camera offset calibration.	Fixed.
SI7-1980		Sensitive hall sensors in support of the robot picker cause sensor misclassification and detection issues.	Fixed.
SI7-2012		PHP2Shell (CVE-2026-109618 and CVE-2026-109619) security vulnerability.	Fixed.
SI7-2027		Detection and recalibration logic updates to address robots with reversed X home magnets.	Fixed.

Known Issues

This release of i7 RAPTOR 141Q.GS020 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.
SI7-1666	WebGUI displays the incorrect SCSI element address at times, and shows a valid address at 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.
SI7-1878	HTTP 500 internal server error occurs when the username and password of a default admin user is changed at the same time.	Do not change the default admin user's username and password at the same time.
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).

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

- Visit the Service & Support page.

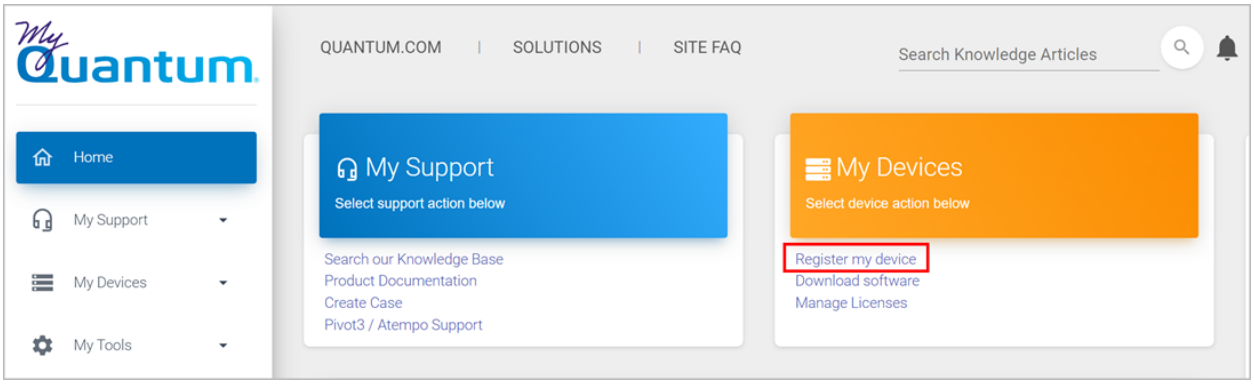
  Note: You can also access other Support related services.

- 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/