

Quantum Networks

Switching 2.2 | Firmware Release Note

Firmware: QN_SW-XX-2.2.40.00.bin

Month of Release: November, 2024

Copyright Information

The copyright and trademark specifications mentioned in this document are subject to change without prior notice. All the content, including the Quantum Networks® logo, is the property of Zen Exim Pvt. Ltd. Other brands or products mentioned in this document may be trademarks or registered trademarks of their respective owners. It is strictly prohibited to use, translate or transmit the contents of this document in any form or by any means without obtaining prior written permission from Zen Exim Pvt. Ltd.

Contents

| | |
|-----------------------------|---|
| Devices Supported | 4 |
| Important Notices | 4 |
| New Features..... | 5 |
| Enhancement/Bug Fixes | 5 |
| Report an Issue | 5 |

Devices Supported

Firmware QN_SW-IE-2.2.40.00.bin is recommended for the following switch models:

| Sr. | Switch Series | Model Numbers |
|-----|-----------------------------|---|
| 1 | Enterprise QN-SW-225 Series | QN-SW-225-8, QN-SW-225-8-4SFP, QN-SW-225-8P, QN-SW-225-8FPU, QN-SW-225-24, QN-SW-225-24P, QN-SW-225-24FP, QN-SW-225-48, QN-SW-225-48P |
| 2 | QN-SW-230 Series | QN-SW-230-24, QN-SW-230-24P, QN-SW-230-24FP, QN-SW-230-48, QN-SW-230-48P, QN-SW-230-48FP |
| 3 | Core Switch | QN-CS-241GF |
| 4 | Industrial Switches | QN-IS-225-8, QN-IS-225-8FP, QN-IS-225-8FP-4SFPP, QN-IS-225-24, QN-IS-225-24P |

Firmware QN_SW-CS-2.2.40.00.bin is recommended for the following switch models:

| Sr. | Switch Series | Model Numbers |
|-----|---------------|--|
| 1 | Core Switch | QN-CS-4810GF, QN-CS-2410GF, QN-CS-1610GF |

Important Notices

- o Firewall rules: Allow ***.rudder.qntmnet.com** in the destination field.
- o When upgrading the firmware on the device, ensure that the power supply is not interrupted, as this may corrupt the firmware. It is recommended to use a UPS as a power source.
- o Devices may reboot after the firmware upgrade. This activity is not recommended during peak hours or during critical production workloads.

New Features

| Sr. | New Features | Description |
|-----|--|--|
| 1 | ERPS (Ethernet ring protection switching) | ERPS Protocol support has been added in the CLI for QN-CS-1610, QN-CS-2410 and QN-CS-4810. |

Enhancement/Bug Fixes

| Sr. | Enhancement | Description |
|-----|-------------------------------------|---|
| 1 | Prevent Auto SSH Session Time Out | Prevented Auto session time out after certain connection time. |
| 2 | Reliability of Optical Uplink port | Improved reliability and compatibility of Enterprise Switch Optical uplink port for various optical transceivers and DAC cables |
| 3 | Optimized Rudder page response time | Reduced page load time for various pages including PoE change in switch management using Rudder. |
| 4 | Device management GUI Change | Added new feature to sync User for local GUI login of switch |
| 5 | I2c-bus timeout | Changes done in I2c Driver timeout for SFP+ Uplink port connectivity |
| 6 | Tx/Rx Values | Change count to 64-bit integer values for Rx and Tx traffic instead of 32-bit integer values |
| 7 | General Fixes | Fixed SNMP Fatal Error in certain OSPF features Fixed timeout of debug console Updated SNMP trap for detecting changes in LLDP neighbors Enhanced device diagnostics features. |

Report an Issue

If you are facing any difficulty in firmware upgradation or need technical assistance, contact

support@qntmnet.com or call 18001231163.