



N-Tron® Series NT24k® Gigabit Ethernet Switches

Firmware Release Notes | January 2024

LP1129 | Revision B

Through Version 2.3.0

COPYRIGHT

© 2024 Red Lion Controls, Inc. All Rights Reserved. The terms Red Lion, the Red Lion logo, N-Tron, and NT24k are registered trademarks of Red Lion Controls. All other marks are the property of their respective owners.

Red Lion Controls, Inc.
35 Willow Springs Circle
York, PA 17406

CONTACT INFORMATION:

AMERICAS

Inside US: +1 (877) 432-9908

Outside US: +1 (717) 767-6511

Hours: 8 am-6 pm Eastern Standard Time
(UTC/GMT -5 hours)

ASIA-PACIFIC

Shanghai, P.R. China: +86 21-6113-3688 x767

Hours: 9 am-6 pm China Standard Time
(UTC/GMT +8 hours)

EUROPE

Netherlands: +31 33-4723-225

France: +33 (0) 1 84 88 75 25

Germany: +49 (0) 1 89 5795-9421

UK: +44 (0) 20 3868 0909

Hours: 9 am-5 pm Central European Time
(UTC/GMT +1 hour)

Website: www.redlion.net

Support: support.redlion.net

Table of Contents

NT24k® Gigabit Ethernet Switch Release Notes	1
This document applies to these Models:	1
Document Change History	1
NT24k® Boot Loader	3
Boot Loader 1.11.16 to 2.0.7 Delta	3
Boot Loader 1.10.2 to 1.11.16 Delta.....	3
Boot Loader 1.8.5 to 1.10.2 Delta.....	3
Boot Loader 1.5.1 to 1.8.5 Delta	3
Boot Loader 1.4.0 to 1.5.1 Delta	3
NT24k® System Firmware.....	5
Firmware Release Version 2.2.3 to 2.3.0 Delta.....	5
Previous Versions	7
Firmware Release Version 2.1.10 to 2.2.3 Delta	7
Firmware Release Version 2.0.7 to 2.1.10 Delta	7
Firmware Release Version 1.11.16 to 2.0.7 Delta.....	7
Firmware Release Version 1.10.2 to 1.11.16 Delta	7
Firmware Release Version 1.9.2 to 1.10.2 Delta	7
Firmware Release Version 1.8.5 to 1.9.2 Delta.....	8
Firmware Release Version 1.7.4 to 1.8.5 Delta.....	8
Firmware Release Version 1.6.0 to 1.7.4 Delta.....	8
Firmware Release Version 1.5.1 to 1.6.0 Delta.....	8

NT24k® Gigabit Ethernet Switch Release Notes

This document applies to these Models:

- NT24k Compact model switches
- NT24k Modular model switches

Document Change History

VERSION	DATE	DESCRIPTION
2.3.0	January 18, 2024	Release 2.3.0 System Firmware
2.2.3	November 11, 2019	Release 2.2.3 System Firmware
2.1.10	September 24, 2018	Release 2.1.10 System Firmware
2.0.7	February 8, 2018	Release 2.0.7 Boot Loader and System Firmware
2.0.6	November 30, 2017	Release 2.0 Boot Loader and System Firmware
1.11.6	September 11, 2017	Release 1.11.6 Boot Loader and System Firmware
1.10.2	October 25, 2016	Release 1.10.2 System Firmware
1.10.2	October 25, 2016	Release 1.10.2 Boot Loader
1.9.2	July 25, 2016	Release 1.9.2 System Firmware
1.8.5	July 25, 2016	Release 1.8.5 Boot Loader

NT24k® Boot Loader

Boot Loader 1.11.16 to 2.0.7 Delta

- Added support for new features.

Boot Loader 1.10.2 to 1.11.16 Delta

- Added support for new models.

Boot Loader 1.8.5 to 1.10.2 Delta

- Added support for new switch model.

Boot Loader 1.5.1 to 1.8.5 Delta

- Added new switch model attribute to the system configuration tag of an exported configuration file.
- Bootloader update to prevent reboot during an update.

Boot Loader 1.4.0 to 1.5.1 Delta

- Added new switch model attribute to the system configuration tag of an exported configuration file.

NT24k® System Firmware

Firmware Release Version 2.2.3 to 2.3.0 Delta

- Disabled outdated and vulnerable cryptographic protocols and ciphers
 - Protocols: SSL 2.0, SSL 3.0, TLS 1.0, and TLS 1.1
 - Ciphers: 2DES (Double DES), RC4 (Rivest Cipher 4), and MD5 (Message Digest 5)

Previous Versions

Firmware Release Version 2.1.10 to 2.2.3 Delta

- Added support for LLDP
- SNMP MIB updates
- SNMP Web Configuration improvements
- Corrected PTP issue that caused dropped communication between a PTP clock source and a PTP client
- PTP performance improvements
- DHCP Improvements
- System security improvements
- Implemented the Wind River VxWorks operating system Urgent/11 patch
Visit <https://support.redlion.net/hc/en-us/categories/360002087671-Security-Alerts> for more information.

Firmware Release Version 2.0.7 to 2.1.10 Delta

- Added support for:
DHCP Server
DHCP Relay Agent
Port Security – MAC address based

Firmware Release Version 1.11.16 to 2.0.7 Delta

- Added support for IEEE 1588v2 enabled models
- Added security enhancements
- Support for local access Radius authentication
- Ability to disable NTCD configuration device access
- Ability to configure the minimum and maximum password lengths

Firmware Release Version 1.10.2 to 1.11.16 Delta

- Added support for Syslog and Event Log Filtering
- Added support for new models.

Firmware Release Version 1.9.2 to 1.10.2 Delta

- Added support for new model
- Added PoE Management features
- PoE Management web pages
- PoE Management SNMP MIB
- PoE Help pages
- Added file transfer ability from the CLI using TFTP
- Added a CLI command to show port settings

Firmware Release Version 1.8.5 to 1.9.2 Delta

- Updated and certified CIP to ODVA Conformance Level CT12
- Extended SNMP to support TFTP file transfers
- SNMP MIB improvements

Firmware Release Version 1.7.4 to 1.8.5 Delta

- Added support for NT24k® Compact fiber models
- Added support for TFTP
- Miscellaneous web GUI improvements

Firmware Release Version 1.6.0 to 1.7.4 Delta

- Added support for NT24k-8TX, NT24k-16TX, NT24k-8TX-POE
- New Features: IEEE 802.1x, RADIUS remote server authentication, SNMP
- Date/time display enhanced to include the time zone and UTC offset
- Corrected N-Ring port set display when mode is disabled
- Fixed: IGMP problem where the querier did not always change to a new lower IP querier
- SNMP enhancements
- Event log enhancements
- Miscellaneous web GUI Improvements
- Corrected data source blocking with port mirroring
- Improved port filtering on port configuration page
- Changed logic to make the default VLAN the management VLAN when the last VLAN is deleted

Firmware Release Version 1.5.1 to 1.6.0 Delta

- New Features: Event Log; System date/time
- Miscellaneous improvements