



N-Tron® Series 700/7000 Managed Industrial Ethernet Switches

Firmware Release Notes | August 2024

LP1232 | Revision B

Through Version 3.11.0

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700/7000 Managed Industrial Ethernet Switch Release Notes

This Document Applies to These Models:

- 700 model switches
- 7000 model switches

Document Change History

VERSION	DATE	DESCRIPTION
3.11.0	August 1, 2024	Release 3.11.0 System Firmware
3.10.2	March 1, 2024	Release 3.10.2 System Firmware
3.9.2	March 1, 2024	Release 3.9.2 System Firmware
3.10.1	August 22, 2019	Release 3.10.1 System Firmware
2.0.6.1	July 25, 2016	Release 2.0.6.0 to 2.0.6.1 Bootloader

700/7000 Boot Loader

Boot Loader 2.0.6.0 to 2.0.6.1 Delta

- Bootloader changed to support the 7900

700/7000 System Firmware

Firmware Release Version 3.10.2 to 3.11.0 Delta

- Applicable to all 700/7000 model switches
- Applied security related improvements

Previous Versions

Firmware Release Version 3.10.1 to 3.10.2 Delta

- Applicable to 7900 and 7026TX Switches only
- Applied security related improvements

Firmware Release Version 3.9.1 to 3.9.2 Delta

- Applicable to all switches except 7900 and 7026TX
- Applied security related improvements

Firmware Release Version 3.9.1 to 3.10.1 Delta

- Applicable to 7900 and 7026TX switches only
- Fixed issue where the MAC Security authorized list of MAC addresses was not properly applied in the 7900 and 7026TX switches

Firmware Release Version 3.80 to 3.9.1 Delta

- Updated and certified to ODVA Conformance Level CT12

Firmware Release Version 3.8.0 to 3.8.2 Delta

- Fix 7506GX2 MAC Address / ARL issues for specific MAC Addresses
- Improve mirroring to prevent sending mirrored frames back out the input port

Firmware Release Version 3.7.9 to 3.8.0 Delta

- Fixed: IGMP problem where the querier did not always change to a new lower IP querier
- Added the ability to display the active querier on the IGMP configuration web page
- IGMP: Enhanced conversion when determining if a query should be sent out a port
- Show "(None)" on web page if no active IP querier
- Added favorite icon for web browsers
- Added MIBs to MIB and CSV files
- SNMP MIB files: Enhanced MIB parsing tree
- Updated copyright year(s)

Firmware Release Version 3.7.6 to 3.7.9 Delta

- Release for custom project

Firmware Release Version 3.6.9 to 3.7.6 Delta

- Changed logic to only show "Configuration Device is Connected" message for status on the Logical View on switches that have a config device connected

- Changed logic to display "Changes will also be saved on Configuration Device" message on Config save pages if config device is connected
- Fixed 7900 problem where ports were not properly initialized when changing module slots
- Added 716M12 switch
- Added capability of selecting v1/v2 for trap output
- Fixed- 716M12 configuration device not functional
- Fixed misleading text on format config device help in CLI
- Changed redirect from an absolute URL to a relative URL to fix a NAT issue

Firmware Release Version 3.6.5 to 3.6.9 Delta

- Changed time conversion routine
- Added 7900 product
- Fixed validation issue related to determining the correct element ID for VLAN group members
- Fixed problem with CLI Showports for crossover
- Adjusted broadcast and multicast rate values for gigabit ports
- Fixed error in SNMP MIB files that had 0xA0 instead of 0x20

Firmware Release Version 3.6 to 3.6.4 Delta

- Fixed an issue where making a settings change via CIP could cause a PLC connection to drop momentarily
 - Added a CIP Settings task so that CIP settings updates will not block other CIP tasks
 - Added CIP shutdown events for settings logic
- If a module is disabled, ignore other related module settings when determining the configured state. Used for Mirroring, LLDP, Trunking, IGMP, N-View™, and DHCP Server settings
- Correction in calculating data rates - avoid a problem related to port down, up, down transition, where port is down when rates are calculated
- Enhance internal logic for settings lock functions
- Changed logic to use flow control value from settings if the port is link down
- Fixed browser crash when error list was empty. Ensured that some error was displayed on the browser even when the error list is empty

Firmware Release Version 3.6.2 to 3.6.3 Delta

- Corrected field size for IGMP resource usage and config device
- CIP: corrected 1 byte truncation of system fault string
- Changed bootloader version string size

Firmware Release Version 3.6.1 to 3.6.2 Delta

- Internal release. Changed the default gateway

Firmware Release Version 3.5.9 to 3.6.1 Delta

- If IGMP is disabled, force IGMP querier status to disabled in the new CIP output assembly
- Created a common service code for all four of the CIP objects to collect all data from each object

- Added get-attribute-all-extended service codes to TCP/IP and NTRON objects
- Added support for new model