

Firmware Release Notes

NTC-223



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Note – This document is subject to change without notice.

Document history

This document describes details of firmware releases for the following product:

NTC-223

VER.	DOCUMENT DESCRIPTION	DATE
v1.0	Initial firmware release version 2.0.92.0	7 June 2019
v1.1	Includes enhancements to firmware version 2.0.99.0	15 June 2020
v1.2	Remove duplicate security TT# reference.	3 August 2020
v1.3	Includes enhancements to firmware version 2.1.22.0	30 June 2023
v1.4	Includes enhancements to firmware version 2.1.35.0	1 July 2024
v1.5	Includes enhancements to firmware version 2.1.36.0	30 July 2024

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Release information

ITEM	DETAILS
Product code	NTC-223
Router firmware version	2.1.36.0
Development status	Official
Firmware file name	ntc_220_2.1.36.0.cdi MD5: 79c760255411e4f7e9e15ad744ce0387
Firmware file size	73277696 bytes
NTC-22x SDK	SDK_Bovine_ntc_220_2.1.36.0.tar.bz2 MD5: 8b14d34ad83ba122ec83e8002ff76552
NTC-22x SDK size	248387490 bytes
Date	30 July 2024

Release details





v2.1.36.0

Enhancements




-  AC-342: Admin user cannot login via Web UI if LDAP is disabled.

v2.1.35.0

New features

-  AC-285: Added Pulse support on I/O pins
 -  Refer to the NTC-220 User Guide for usage.
-  AC-305: Added support for LDAP/S authentication
 -  Refer to the NTC-220 User Guide for usage.

Enhancements

-  AC-110: Reduced the frequency of time daemon messages in the system log.
-  AC-122: Improved USB storage drive management.
-  AC-174: Reduced the frequency of time sync messages from the network in the system log.

- 📶 AC-194, AC-200: Improved LTE band configuration management.
- 📶 AC-205: Improvements to Ping Watchdog.
- 📶 AC-207: Restored Cumulocity agent compatibility.
- 📶 AC-280: Improved filtering of events to syslog server.
- 📶 AC-289: Resolved minor compatibility bugs with Chrome and MS Edge browsers.
- 📶 AC-307: Improved SSH key management.
- 📶 AC-316: Various security improvements.
- 📶 AC-320: Improvement to the Ignition Sensing capabilities.

v2.1.22.0

New features

- 📶 A second LAN IP address is now supported. (AC-140)
- 📶 Features such as Site Settings, Serial Data Status, Network Quality and VLAN are now available across the NTC-22X series. (TT#42886)
- 📶 Python3 is now supported. (AC-164)

Enhancements

- 📶 System packages are now protected from accidental deletion in Web UI. (TT#42900)
- 📶 OpenVPN Cipher and MTU options are now configurable through Web UI. (TT#42637, TT#40959)
- 📶 The status page is now hidden if a user is not logged in. (TT#42901)
- 📶 The default TR-069 inform time is now 3600 seconds. (TT#42857)
- 📶 IPSEC VPN status now shows the correct value when the link is down and DPD action is configured as 'Restart'. (TT#44457)
- 📶 DC voltage power reading is now accurate. (AC-131)
- 📶 Language updates to Web UI to use more inclusive terminology. (TT#42889)
- 📶 jQuery has been updated to a newer version. (TT#42888)
- 📶 Curl has been updated to a newer version. (TT#42894)
- 📶 DNSMasq has been updated to a newer version. (TT#42898)
- 📶 OpenSSL has been updated to a newer version. (TT#42893)
- 📶 OpenVPN has been updated to a newer version. (AC-157)
- 📶 LWM2M now reports the correct Radio Signal Strength in RDM. (TT#42895)
- 📶 RDB variable "*system.time.source*" now returns the correct value (TT#42897)
- 📶 Data Roaming is now turned ON by default. (TT#42902)
- 📶 Device now shows the Advanced Status Channel number (EARFCN) instead of Channel Number (UARFCN) when the device is registered to WCDMA. (TT#43631)
- 📶 Device no longer loses date and time sync when cellular network is the time server source. TT#42005
- 📶 Web UI no longer experiences issues where occasionally no content is shown in the browser. (TT#41931)

- 📶 An issue with some previous firmware versions where TR-069 could not contact RDM server through HTTPS has been resolved. (TT#42705)
- 📶 The Event Notification RDB variable is now automatically cleared. (TT#43113)
- 📶 The filter rule “0.0.0.0/0” can now be added to the filter list. (TT#43154)
- 📶 Various security improvements (TT#42318, TT#42088, TT#42887, TT#41640, TT#43052, TT#44453)

v2.0.99.0

New feature

- 📶 Device now supports IPV6 Wireless WAN connection.

Enhancements

- 📶 Can now connect on 10Mbps on Ethernet Port. (TT#39027)
- 📶 Improved the factory password handling for the existing customers based on device serial number. (TT#38796)
- 📶 Device now remembers the DO pin status after reboot. (TT#39775)
- 📶 Corrected the Ethernet Port Status display. (TT#39879)
- 📶 Various security improvements. (TT#39068, TT#39608, TT#39029, TT#39715, TT#24771, TT#39985, TT#39693)

v2.0.92.0

Initial release

Upgrade instructions

Please refer to the steps described in the **NTC-221-222-223-224 Firmware Upgrade Guide.pdf** (doc no. FI01155) document.