

# Firmware Release Notes

**NTC-223**



## Copyright

Copyright© 2024 NetComm Wireless Limited. All rights reserved.

NetComm Wireless Limited was acquired by DZS, Inc.

The information contained herein is proprietary to NetComm Wireless Limited. No part of this document may be translated, transcribed, reproduced, in any form, or by any means without prior written consent of NetComm Wireless Limited.

Trademarks and registered trademarks are the property of NetComm Wireless Limited or their respective owners.

Specifications are subject to change without notice. Images shown may vary slightly from the actual product.



**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

*Table i. - Document revision history*

# Contents

---

Release information .....	4
Release details .....	4
v2.1.36.0 .....	4
Enhancements .....	4
v2.1.35.0 .....	4
New features .....	4
Enhancements .....	4
v2.1.22.0 .....	5
New features .....	5
Enhancements .....	5
v2.0.99.0 .....	6
New feature .....	6
Enhancements .....	6
v2.0.92.0 .....	6
Initial release .....	6
Upgrade instructions .....	6

# 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.