

4G WiFi M2M Router (NTC-140W Series)



Firmware Release Notes

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Release information

ITEM	DETAILS
Product Code	NTC-140W-01 / NTC-140W-02
Hardware Version	Hardware v1.0 / 1.1
Router Firmware Version	2.0.23.2
Module Firmware Version	See 4G WiFi M2M Router Firmware Upgrade Guide for appropriate version.
Beta/Official	Official
Firmware file name	ntc_140wx_2.0.23.2.cdi MD5: 0492e7920cb8875d96169c81a6a10772
Date	25 February 2015







Upgrade / Downgrade instructions

Please refer to the accompanying “4G WiFi M2M Router Firmware Upgrade Guide” file for details on upgrading the router firmware and module firmware.












Release history

v2.0.23.2



Changes/New features

-  Added sender address and CC field to Email settings.
-  Added support in the web UI to allow WiFi bandwidth (20/40 Mhz) selection.
-  Added number of SMS messages received in the basic status page.
-  Added a warning when AP Hotspot functionality is enabled while AP radio is OFF.
-  Added support for DDNS feature for all WAN failover interfaces.
-  Added event notification support for status of SD card, WAN failover and Wireless clients.

Bug fixes

-  Fixed WiFi AUTO selection option for Frequency/Channel where it always selected channel 1.
-  Fixed SMS forwarding with international number format.
-  Fixed PPTP VPN client unable to ping the remote PPTP server.
-  Fixed issue where the router may connect to WWAN even if APN is wrong.
-  Fixed issue where router does not receive Ethernet RIP updates, hence does not update its routing table and advertise these routes.
-  Fixed issue where Wireless AP may not restart after module firmware is updated and hence is not visible to clients.
-  Updated some SNMP Object Identifiers for clarity.
-  Refinement to the Data stream manager page: renamed ports for clarity and to allow user to change settings regardless of the ports continued existence.
-  Fixed issue where WAN eth.0 interface may occasionally fail to detect the link is up after reboot.
-  Fixed Wireless Client scan for SSID may occasionally return parsererror.
-  Fixed issue where clients may not be able to connect to WiFi AP after Client mode loses connection to the remote AP.

Cosmetic fixes

-  Changed network authentication type naming to match in the AP and Client configuration.
-  Removed AGPS update interval as AGPS is not supported.

- Added LTE frequency band on status page under current band.
- Removed PDP static IP option from web-UI as this feature is not supported.
- Refinement on the SIM Security page for Remember PIN, PIN Change options.
- APN profile usernames now display number of characters.
- Display SRP, RSRQ, TAC and PS status under the advanced status section of Status page.
- System information page renamed Board Version to Hardware version for clarity.
- SIM status in SIM Management page updated to reflect the same status as in the main status page.
- Ethernet Group under Ethernet LAN/WAN is renamed to Interface assignment to avoid confusion.

Known issues

- Wireless Hotspot Max./Min. bandwidth configurations may not limit the bandwidth accurately.
- Changing WiFi channel with 4 or more multiple SSIDs enabled may require router reboot to apply changes.
- TR-069 only works when WAN mode is set to WWAN.

v2.0.20.4

Changes/New features

- Added Client-Initiated Device Configuration (CIDC) manual activation for carriers that support this.

Bug fixes

- Fixed issue with manual operator band selection.
- Fixed issue where hotspot customization files were being deleted after reboot.
- Fixed issue where customized hotspot landing page settings must be saved twice to take effect.
- Fixed issue where WiFi SSID Broadcast button is disabled and becomes enabled again after unit is rebooted.

Known issues

- TR-069 only works when WAN mode is set to WWAN (LTE/3G).

v2.0.20.3

Changes/New features

- Added CDMA support for NTC-140W-01.
- Added Event notification feature.
- Display_MEID, P-ESN, PRL, PRI version on Advanced status page.
- Added a new System log settings menu item and page and moved Log capture level, Non-volatile log and Remote syslog server configuration items to this page. Default system log is now set to "Notice".
- Added multiple SSID support with open source WiFi driver.
- Added SSID and client isolation to WiFi SSID settings.
- Added support for uploading Wireless AP hotspot landing page.
- Added warning message for remote administration settings.
- Improved GPS accuracy using QMI implementation.
- Added MAC filtering on/off switch.
- Lowered power consumption in low power mode by putting Ethernet PHY in low power mode and disabling WAN
- Added WiFi MAC address to the status page under WLAN AP status.
- Added check for maximum number of WiFi clients in AP and Hotspot mode to 127. Default maximum is set to 31.
- Changed default MTU size to 1428, except for certain network carriers where it may change after SIM detection.
- Added support for automatic detection of RAM size.

Bug fixes

- Fixed a routing issue in cases where NAT and firewall are disabled and a static route added.
- Fixed issues with SWI module FW/PRI updates.

- Fixed issue with Remember PIN option
- Fixed DHCP relay on 3G/WAN interface.
- Update LED colour to amber when HSPA+ coverage is detected.
- Reworded "Independent" Ethernet group option to "Disable".
- Fixed issue where Ethernet interface configured as WAN required DNS server settings to be entered.
- Fixed an issue where recovery mode displayed different MAC address than the main firmware image.
- Fixed a data stream manager issue where a dropped client connection to a TCP server results in no further connections being allowed.
- Fixed verbose logging not working on WWAN interface.

Cosmetic fixes

- Fixed cosmetic issue where SMS inbox refresh button disappeared.
- Fixed cosmetic issues with WWAN connection status.
- Fixed issue with PDP session end time displaying incorrectly.
- Fixed WLAN connection status not updating.
- Fixed cosmetic issue where incorrect link state of a USB Ethernet interface was displayed upon initial connection.
- Fixed cosmetic issue related to Status page WLAN information.
- Fixed cosmetic issue with formatting of the Upload page.
- Fixed cosmetic issue where recovery mode shows different upload date than the main image for files uploaded to the router.
- Fixed cosmetic issue where data connection profile name changed to wwan.0 after clicking save on the WAN failover page.
- Fixed cosmetic issue where WAN port IP address displays netmask when retrieving DHCP assigned IP.
- Removed duplicate Save button on SNMP page.
- Changed Edit button on AP basic page.
- Increased text box area for the "Internal terms of use" field in hotspot settings.
- Fixed cosmetic issues related to the Wireless Hotspot landing page.
- Moved SIM management menu item in the Wireless WAN sub menu.
- Fixed issue when PPPoE was enabled, the Event notification log page was blank.
- Added data usage disclaimer to user interface.

Known issues

- TR-069 only works when WAN mode is set to WWAN (LTE/3G).
- Removed support for MSB A-GPS.

v2.0.16.4

Changes/New features

- User Guide PDF file embedded in the Help page.
- Updated timezone list to include missing standard timezones.
- Integrated open source WiFi driver with support for both AP and STA mode.

Bug fixes

- Fixed issue where Built-in Ethernet WAN port does not create its default gateway.
- Fixed occasional failure in mounting USB storage devices.
- Fixed occasional issue where module may not be recognised upon power up.
- Fixed WiFi LED operation, but the fix is not applicable to the DVT units.
- Fixed issue where some internal processes may use incorrect time, as observed in log messages.
- Removed network access technology preference from Operator settings page. Applied a fix to maintain operator list visibility when switched back to Automatic mode.
- Open VPN page updated to display DH parameter status.
- Ethernet group status page updated to correctly show USB port's link status and also make Ethernet LAN interface visible.

Known issues

- TR-069 only works when WAN mode is set to WWAN (LTE/3G).
- MSB A-GPS may not work with certain module FW versions and is being investigated.
- Multiple SSID feature is not currently supported.

v2.0.16.2

Changes/New features

- Added TR-069 support for u-boot.img file
- Reversed system.powersave.ignition rdb status reporting to keep it consistent with other NTC products

Bug fixes

- Fixed: Module is sometimes not recognized on power up and does not recover unless rebooted.

Known issues

- TR-069 only works when WAN mode is set to WWAN (LTE/3G)
- MSB A-GPS may not work with certain module FW versions and is being investigated.
- Wireless LED may not display correct status when in Client mode for DVT units.

v2.0.16.1

Changes/New features

- Introduced Storage and USB-OTG software support
- Enabled Data stream manager and PADD page
- Enabled Connect on Demand feature
- SIM management page added for devices that have dual SIM option.
- Telnet/SSH password is now set to **admin** by default.

Bug fixes

- Fixed an issue related to system clock accuracy, where system clock was drifting significantly over time.
- Fixed PDP connection status reporting on the Web-UI.
- Fixed ignition polarity detection on the Power management page (floating wire will be considered low).
- Cosmetic edits on the following pages: Wireless Hotspot, WAN failover, Ethernet group, SNMP
- Added support for new regions for timezone settings.
- Moved Watchdogs menu to System page.
- Fixed web UI redirecting to the status page when clicking on other menu items.
- Fixed issue when Ethernet WAN interface configured as primary WAN with static IP, the default gateway would not work.
- Fixed low power mode feature and ignition detection not working
- Fixed phone module firmware upgrade not supported via Web UI

Known issues

- TR-069 only works when WAN mode is set to WWAN (LTE/3G)
- MSB A-GPS may not work with certain module FW versions and is being investigated.
- Wireless LED may not display correct status when in Client mode for DVT units.

v2.0.10.4

Changes/New features

- None

Bug fixes

- GPS found satellites but didn't connect to display coordinates.
- Display only the relevant version number for the Sierra Module FW version.

Known issues





- Low power mode feature and ignition detection not yet supported
- Phone module firmware upgrade not yet supported via Web UI
- TR-069 only works when WAN mode is set to WWAN (LTE/3G)

v2.0.10.3




Changes/New features

-  None

Bug fixes


-  WLAN SSID remains hidden after factory reset
-  Reset button does not work during boot up
-  When using WiFi Client mode, the Status page shows both Client and AP status
-  TR-069 initialization session failure

Known issues

-  Low power mode feature and ignition detection not yet supported
-  Phone module firmware upgrade not yet supported via Web UI
-  TR-069 only works when WAN mode is set to WWAN (LTE/3G)

v2.0.8.0


Changes/New features

-  None

Bug fixes

-  None

Known issues

-  None