M2M Serial Modem

NTC-3000 Series

Firmware Release Notes

This document covers the following products:

NTC-3000-02

NTC-3000-03

DOCUMENT VERSION	DATE
1.0 – Initial document release	22 April 2015
1.1 – Updated for OpenAT version v1.0.60m.20150622144529	23 July 2015
1.2 – Updated for OpenAT version v1.0.68	4 July 2016
1.3 – Updated for OpenAT version v1.0.72	27 October 2016

Firmware details

⚠️ NOTE: In order to use v1.0.72 of the OpenAT framework, you must update the module firmware to version R7.53.1.A1.201504291449. If your device is running an older version of the module firmware, please contact NetComm Wireless support for assistance in upgrading the module firmware.

FIRMWARE DETAILS	
NetComm Wireless Model Number	NTC-3000-02, NTC-3000-03
NetComm Wireless Product Name	M2M Serial Modem
Module Firmware Version	R7.53.1.A1.201504291449
OpenAT Firmware Version	v1.0.72
Build Type	Generic
Release Type	Official
File Name	NTC3000_FR2.53.1.A1.v1.0.72.20161017.dwl
File Size	166 KB
MD5 Checksum	b1deb2fd970accdfc69e71a4649ea05f
Date	28 October 2016

Version history

v1.0.72

New features

- 🛜 Added an OpenAT command to enable error notifications when an incorrect SMS command is issued.
- 🛜 Added an OpenAT command to retrieve the last 250 SMS commands.
- 🛜 Added Whitelist support.
- 🛜 Added an OpenAT command to set maximum daily sent SMS acknowledgments.
- 🛜 Added an OpenAT command to retrieve IMEI vis SMS.
- 🛜 Added a feature to OpenAT to check the SIM SMS storage capacity on boot up.
- 🛜 Added an OpenAT command to control FTP upgrade retries to eliminate the infinite loop when it fails.
- 🛜 Added ping command support via SMS and AT command.

Enhancements

- 🛜 Enhanced security of FTP upgrade via SMS to allow complex combinations of lower and upper case username and password characters.

v1.0.68

New features

- 🛜 Added the ability to send any module "AT+" commands remotely via SMS with password.
- 🛜 Added the ability to issue factory reset command remotely via SMS with password.

Enhancements

- 🛜 Enhanced the FTP response messages to provide more detail on the OTA upgrade process. The device now includes multiple failure checks and provides better error detail.
- 🛜 Enhanced the SIM management of SMS messages which are now cleared on reboot and after 5 SMS messages are stored.

v1.0.60m.20150622144529

New features

- Recompiled to work with module firmware R7.53.1.A1.201504291449.

v1.0.60m

New features

- Added an FTP method to upgrade the OpenAT firmware via SMS.
- Added an FTP method to upgrade the OpenAT firmware via AT Command.
- Added a Serial Debug command to observe IP and DNS information on the serial port.
- Added an "Error" reply message when SMS password is incorrect.
- Added an automatic save function after issuing "set" SMS commands.
- Added a buffering system for received SMS messages to avoid being lost or arriving out of sequence.
- Added a SIM buffer clear feature to clear messages when the number of received messages exceeds 20.
- Added 1st guard time before and after the "**0x2b 0x2b 0x2b**" sequence.

Enhancements

- Fixed an issue where inconsistent SMS reply messages were being received.
- Fixed the 3G LED pattern when OpenAT is enabled.
- Fixed an issue where a newly configured SMS password reverts back to default after reboot.
- Fixed an SMS receive and notification issue when OpenAT is enabled.
- Fixed an issue where connection uptime was incorrect when the modem responded to "get status" SMS command.
- Fixed an issue with spaces between SMS password and command.
- Fixed +CHAR_TIMEOUT settings default value.

v1.0.22m – Initial production release

New features

- None.

Enhancements

- None.