

EC25-E-FA Release Notes

LTE Module Series

Rev. EC25-E-FA Firmware_Release_Notes_V0210

Date: 2018-04-09

1. Preamble

This document provides the Release Notes for EC25-E-FA firmware version **EC25EFAR02A10M4G**. It describes major changes compared to EC25-E-FA firmware version **EC25EFAR02A09M4G**. For a detailed listing of all changes, refer to the EC25 AT Command Set.

2. New Features

Item/Category	Brief description	Since
NETWORK	Add the AT+QXPWR to query the main receiving and diversity reception signal parameters.	R02A05
UART	Add the AT command AT+QCFG="urc/ri/pin" to set RI pin.	R02A06
DTMF	Add the AT command AT+QCFG="vts/async",<n> .	R02A06
GENERAL	Add AT+QCFG="imsreg/iptype",<ver> command to indicate IMS registration by IPV4 or IPV6.	R02A06
OTHER	Added AT+QEMMINFO to query reject_cause T3402 and T3412 timer value	R02A07
AT+QCOPS	Add AT+QCOPS command.	R02A08
OTHERS	Add AT+QXRFTM command.	R02A08
Audio	Support Audio over USB feature.	R02A08
OTHERS	Support FASTBOOT upgrade mode.	R02A08
AT+QDAI	Support PCM 16K by AT+QDAI command.	R02A08
OTHERS	Add AT+QACDBLOAD command.	R02A09
TCP/UDP	Add AT+QICFG="tcp/keepalive" command.	R02A10

3. Improved Features

Item/Category	Brief description	Since
CMUX	Fixed the bug that command AT+QISTATE return the unknown characters when establishes a TCP connection under CMUX serial port.	R02A03
TCP/UDP	Fixed the bug that the data will be discarded under TCP push mode.	R02A03

TCP/UDP	Fixed the bug that RI pin indicates invalid under TCP receives data in push mode.	R02A03
TCP/UDP	Fixed the bug that command AT+QISEND query results error.	R02A03
FTP	Fixed the bug that command AT+QFTPSTAT return the error status when data uploading.	R02A03
FTP	Fixed the bug that the AT+QFTPPUT parameter is set to 2, the implementation of successful and be able to upload files, expected return is ERROR .	R02A03
FTP	Fixed the bug that executing the AT+QFTPPUT command to upload data length is set to 0, is not an error and to upload, expected return is ERROR .	R02A03
FTP	Fixed the bug that executing the AT+QFTPLIST command configuration is empty or Chinese characters or file does not exist, to list the results, expected return is ERROR .	R02A03
CALL	Fixed the bug in the TCP transparent mode, when receiving calls ATA receive the error, expect the ATA to receive calls.	R02A03
Audio	Improve the default audio EEC value	R02A04
FTP	Fixed the bug that executing the AT+QFTPPUT command to upload from UFS has opened the file, is not an error and to upload, expected return is ERROR .	R02A04
Audio	Fixed the bug alsaucm test pipe may cause no voice.	R02A04
TCP/UDP	Modify the randomly generated method for local port when tcpip build tcp connect.	R02A04
TCP/UDP	Fixed qicsgp maximum support 127 bytes username and password configuration.	R02A04
Audio	Fixed the bug about before playing the TTS, it can appear the problem of pop noise. And add the AT command qcfcg="codec/powsave" used to optimize the pop problem.	R02A04
GENERAL	Fixed the qc automatic detection successful sd card, again configuration qsdmount is 1 to load the card, still can success.	R02A04
Audio	Fixed the bug about before playing the TTS, it can appear the problem of pop noise. And add the AT command.	R02A04
Audio	Fix the bug AT+QEEC configuration could change the value of QAUDMOD .	R02A04
FTP	Fixed the bug that executing the AT+QFTPPUT command to upload from UFS has opened the file, is not an error and to upload, expected return is ERROR .	R02A04
NETWORK	Modify the default search network order as LTE firstly.	R02A05
GENERAL	Fixed the bug CBC could not execute without SIM card.	R02A05
PPP	Fixed the bug that module cannot hand up when send hang frame in PAP authentication stage or sending the command AT+QPPPDROP .	R02A05
GENERAL	Fixed the bug QADC & QADCTEMP execute error.	R02A05
COMMON	Fixed the bug that module still in sleep mode when DTR in low state.	R02A06

TCP/UDP	Fixed the bug that the module can't register to network with AT+CFUN=0/1 command after TCP connection setup.	R02A06
COMMON	Fixed the bug that AT+CBC command return error while no SIM card is inserted.	R02A06
TCP/UDP	Fixed the bug that AT+QIRD can't read the specified data with the setting length.	R02A06
SIMCARD	Fixed the bug that the IOT card of Telecommunications can't register to network.	R02A06
TCP/UDP	Fixed the bug that the module crashed if transport files about 3M in TCP data connection mode.	R02A06
NETWORK	Fixed the bug that AT+QENG="servingcell" and AT+QENG="neighbourcell" can't get the cell and neighbor cell information in AUTO mode without SIM card.	R02A06
NETWORK	Modified the format of SMTP header to support gmail	R02A07
BUG	Fixed the issue that SD file can't be sent by QHTTPPOST when its length is less than 2048.	R02A07
BUG	Fixed the crash issue when module upload file of 10M size from serial port by QFTPPUT.	R02A07
BUG	Fixed the issue that URC can't output after QFUPL.	R02A07
Voice Call	Added "NO CARRIER" when incoming call is turned off on automatic answering mode.	R02A08
OTHERS	Fixed the issue that B7 can't be supported by AT+QTXFTM cmd.	R02A09
AT+QRFTEST	Fixed the issue that there is extra pulse on LTE band when module enters burst transmission.	R02A10
EMM STATE	Support to query EMM STATE on QMI_NAS_GET_CELL_LOCATION_INFO_RESPONSE_MSG.	R02A10
GENERAL	Fix SD_VDD on 2.85V to make GPS power stable on MINIPCIE board.	R02A10
AUDIO	Fixed the issue voice is broken when setting audio parameters after MO call immediately.	R02A10

4. Functions

Basic Function								
SMS	Voice Call	Data Call	Fax	USSD	PHB	STK	CMUX	FILE
Y	Y	N	N	N	Y	N	Y	N
Protocol Function								
QMI	TCP/UDP	PPP	FTP	NITZ	NTP	HTTP		
Y	Y	Y	Y	Y	Y	Y		
Special Function								
SIM Detection								
Y								

NOTES

1. Y means the firmware supports this function.
2. N means the firmware does not support this function.