EC21-EU Release Notes

LTE Module Series

Rev. EC21-EU-GA_Firmware_Release_Notes_V0603

Date: 2018-12-04

1. Preamble

This document provides the Release Notes for EC21-EU-GA firmware version **EC21EUGAR06A03M4G_01.003.01.003**. It describes major changes compared to EC21-EU-GA firmware version **EC21EUGAR06A02M4G**. For a detailed listing of all changes, refer to the EC21 AT Command Set.

2. New Features

Item /Category	Brief Description	Since
OTHER	Add **AT+QNETINFO** command.	R06A02
QMI	Add **AT+QCFG="dhcppktfltr"** command.	R06A02
OTHER	Add **AT+QAUDPLAYGAIN** command.	R06A02
OTHER	Add **AT+QAUDCFG="voltedtmfcfg"** command.	R06A02
OTHER	Support MAX9860 codec by **AT+QDAI=4**.	R06A02
OTHER	Support **AT+QLEDSTAT** to configure cycle and duty for network status.	R06A02
OTHER	Add **AT+QCFG="bip/auth"** to configure authentication type to open channel.	R06A02
OTHER	Add **AT+QCFG="ntp"** command to configure retry count and interval.	R06A02
OTHER	Add **AT+QCFG="siminvalirecovery"** command.	R06A02
OTHER	Add **AT+QCFG="ppp/sleep_ri"** to configure physical RI indication when receiving TCP packet through PPP over USB port.	R06A03

3. Improved Features

Item/Category	Brief Description	Since
OTHER	Extend **AT+QCOPS** command to output cell id for LTE network.	R06A02
PPP	Fix issue that long time to set up PPP data connection in GSM network.	R06A02
OTHER	Change CREG to show registration when module registers to EPS only network.	R06A02

OTHER	Fix PIN of network status to low when module enters in sleep.	R06A02
FTP	Support to handle new response code from FTP server when downloading.	R06A02
OTHER	Fix bug that SINR of LTE cell isn't correct queried by **AT+QENG="servingcell"**.	R06A02
HTTP	Add **AT+QHTTPCFG= "windowsize"** command to configure slide window of HTTP socket.	R06A02
HTTP	Add **AT+QHTTPCFG="auth"** command to configure Username and Password.	R06A02
HTTP	Add **AT+QHTTPCFG="closewaittime"** to configure maximum timeout for close HTTP socket. Default value was changed to 5000ms.	R06A02
OTHER	Add **AT+QCFG="icf"** command to configure data bit, stop bit and parity bit for main UART.	R06A02
OTHER	Support RF tuner feature.	R06A02
OTHER	Support to broadcast URC configured by **AT+QURCCFG**.	R06A02
OTHER	Support to query LTE Timing Advance by **AT+QNETINFO**.	R06A02
OTHER	Support to configure maximum timeout on searching band for **AT+QCOPS**.	R06A02
SMS	Extend **AT+CMGR** command to read SMS without changing status.	R06A02
OTHER	Fix stuck issue when neighbor cell is too much to list on **AT+QENG="neighbourcell"**.	R06A02
PPP	Fix stuck issue when "NO CARRIER" for PPP output caused by network rejection.	R06A02
OTHER	Add **AT+QNWLOCK="common/lte"** command.	R06A02
OTHER	Extend **AT+QNETINFO** to query DRX of GSM/WCDMA/LTE.	R06A02
OTHER	Add **AT+QMMSCFG="connecttimeout"** command.	R06A02
OTHER	Add **AT+QCOPSCFG** command to configure **AT+QCOPS** serching filter.	R06A03
OTHER	Fix issue that WAKEUP_IN isn't able to wake up the main UART.	R06A03
OTHER	Fix incorrect network status of CREG/CGREG/CEREG after registration to network by **AT+COPS=1,2** manually.	R06A03
OTHER	Fix Ring Tone is not working for second time with TI3104 codec.	R06A03
OTHER	Fix searching flag is not cleared when **AT+QCOPS** gets ERROR.	R06A03
OTHER	Fix incorrect GSM rx_Lev value of GSM of **AT+QCOPS** response.	R06A03

4. Functions

Basic Function							
SMS	Voice Call	Data Call	USSD	PHB	STK	CMUX	FILE
Y	Y	N	N	Y	N	N	N

Protocol Function							
QMI	TCP/ UDP	PPP	FTP	HTTP	NITZ	PING	NTP
Y	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.