EG25-G-GB Release Notes

LTE Module Series

Rev. EG25-G-GB_Firmware_Release_Notes_V0707_01.001.01.001

Date: 2019-04-25

1. Preamble

This document provides the Release Notes for EG25-G-GB firmware version **EG25GGBR07A07M2G_01.001.01.001**. It describes major changes compared to for EG25-G-GB firmware version **EG25GGBR07A06M2G_01.001.01.001**. For a detailed listing of all changes, refer to the EC25 AT Command Set.

2. New Features

Item /Category	Brief Description	Since
AUDIO	Optimized AT command **AT+QAUDCFG="encgain"**.	R07A04_01. 001.01.001
GENERAL	Added AT command **AT+QODM="hostdevice"** for ATT OMA.	R07A05_01. 001.01.001
AUDIO	Added AT command **AT+QAUDCFG="nau8810/config"**.	R07A05_01. 001.01.001
GENERAL	Added AT command **AT+QODM="fumo"**.	R07A06_01. 001.01.001
GENERAL	Added AT command **AT+QODM="dme"** to query OMA state.	R07A06_01. 001.01.001
GENERAL	Added AT command **AT+QGPSCFG="fixfreq"** to set the NMEA output frequency.	R07A07_01. 001.01.001
VOICE CALL	Added AT commands **AT+QIMSACT**, **AT+DIAL**, **AT+CHLDMPTY**.	R07A07_01. 001.01.001
VOICE CALL	Added AT command **AT+QECBM** only for Verizon.	R07A07_01. 001.01.001

3. Improved Features

Item/Category	Brief Description	Since
NETWORK	Solved the issue that scanning flag was not cleared when executing **AT+QCOPS** returned error.	R07A04_01. 001.01.001
DFOTA	Optimized DFOTA process.	R07A04_01. 001.01.001
AUDIO	Optimized below AT commands **AT+QAUDCFG="alc5616/dlgain"**, **AT+QAUDCFG="alc5616/ulgain"**, **AT+QAUDCFG="nau8814/dlgain"**.	R07A04_01. 001.01.001

SSL	Modified SSL to support TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384.	R07A04_01.001.01.001
TCP/UDP	Solved the problem that when established multiple TCP connection, it was abnormally to loop QIRD quickly.	R07A05_01.001.01.001
NETWORK	Added cell blacklist function when RRC access failure reached a certain condition.	R07A05_01.001.01.001
GENERAL	Optimized file system protection mechanism.	R07A05_01.001.01.001
PPP	Solved the problem that the host could not establish PPP under the GSM network.	R07A06_01.001.01.001
AUDIO	Fixed the problem that the incoming call has no ringtone.	R07A06_01.001.01.001
NETWORK	Supported WCDMA BAND19 for AT command **AT+QCFG="BAND"**.	R07A07_01.001.01.001
GENERAL	Optimized parameter partition restore mechanism.	R07A07_01.001.01.001
NETWORK	Solved the problem that AT command **AT+QNWINFO** could not support B66/B71 and corresponding frequency.	R07A07_01.001.01.001
GENERAL	Solved the problem that no response returned or URC for manufacturer command when executed **AT+CMEE=0**.	R07A07_01.001.01.001
GENERAL	Support to update operator MBN after upgrading module FW.	R07A07_01.001.01.001
TCP/UDP	Solved the problem of format error when executed AT command **AT+QCFG="NTP"**.	R07A07_01.001.01.001
GENERAL	Solved the problem that the value of man and model could not be changed by AT command **AT+QODM="hostdevice"**.	R07A07_01.001.01.001
GENERAL	Solved the problem of returned format error when executed AT command **AT+CCLK?**.	R07A07_01.001.01.001
GENERAL	Solved the problem that when set the parameter of **AT+CTZU** to illegal value 2, it would be set and take effect unexpectedly, not fail.	R07A07_01.001.01.001
SIMCARD	Set that when the SIM card was locked in PUK2, allowed to execute **AT+CPIN=<PUK2>,<new PIN2>** to unlock PUK2.	R07A07_01.001.01.001
GENERAL	Added LTE band14/band66/band71 for the TX of AT command **AT+QRFTEST**.	R07A07_01.001.01.001
TCP/UDP	Supported to report the data length also when TCPIP reporting URC.	R07A07_01.001.01.001
GENERAL	Solved the problem that thermal engine isn't working.	R07A07_01.001.01.001
SIMCARD	Updated the TS25 PLMN list.	R07A07_01.001.01.001
GENERAL	Optimized RF Factory Test feature.	R07A07_01.001.01.001
TCP/UDP	Optimized the process when sending UDP data on different destination port.	R07A07_01.001.01.001

AUDIO	Solved the problem of no sound on pcm slave mode.	R07A07_01.001.01.001
AUDIO	Supported pcm slot to be configurable.	R07A07_01.001.01.001
VOICE CALL	Set that if the SIM card supported STK CALL CONTROL, the module should first send STK CALL CONTROL to the card after the ATD dialing, and then initiated a call to the network after getting SIM card permission.	R07A07_01.001.01.001
TCP/UDP	Solved the problem that if TCP half-closed, error returned when executing **AT+QISEND=0,0**.	R07A07_01.001.01.001
GENERAL	Optimized single image upgrade.	R07A07_01.001.01.001
DFOTA	Solved the DFOTA upgrade failure.	R07A07_01.001.01.001
MQTT	Solved the problem that the module could not receive more than 1024 bytes of data sent by the MQTT server.	R07A05_01.001.01.001

4. Functions

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

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

Special Function	
SIM Detection	DFOTA
Y	Y

NOTES

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