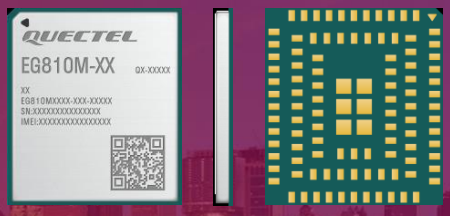
Quectel EG810M Series

IoT/ M2M-optimized

LTE Cat 1 bis Module



EG810M-CN-GB_QuecPython Release Notes

LTE Standard Module Series

Rev. EG810M-CN-GB_QuecPython_Firmware_Release_Notes_V0601

Date: 2025-07-25

Our aim is to provide customers with timely and comprehensive service. For any assistance, please contact our company headquarters:

Quectel Wireless Solutions Co., Ltd.
Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China
Tel: +86 21 5108 6236
Email: info@quectel.com

Or our local office. For more information, please visit:
http://www.quectel.com/support/sales.htm.

For technical support, or to report documentation errors, please visit:
http://www.quectel.com/support/technical.htm
Or email to support@quectel.com.

Disclaimer

While Quectel has made efforts to assure the accuracy of this document, unless otherwise provided by valid agreement, Quectel assumes no liability resulting from any inaccuracies or omissions in this document, or from use of the information obtained herein. Quectel reserves the right to make changes to any contents described herein and reserves the right to revise this document and to make changes from time to time in content hereof with no obligation to notify any person of revisions or changes. Before using any updated software, please read this statement carefully. By accessing or using the said software you irrevocably and unconditionally accept and confirm that you agree to be bound by this statement. In the event you disagree with any provision hereof and would not like to be bound by this statement you shall cease use of the said software immediately.

Duty of Confidentiality

The Receiving Party shall keep confidential all documentation and information provided by Quectel, except when the specific permission has been granted by Quectel. The Receiving Party shall not access or use Quectel's documentation and information for any purpose except as expressly provided herein. Furthermore, the Receiving Party shall not disclose any of the Quectel's documentation and information to any third party without the prior written consent by Quectel. For any noncompliance to the above requirements, unauthorized use, or other illegal or malicious use of the documentation and information, Quectel will reserve the right to take legal action.

Copyright

The information contained here is proprietary technical information of Quectel Wireless Solutions Co., Ltd. Transmitting, reproducing, disseminating and editing this document as well as using the content without permission are forbidden. Offenders will be held liable for payment of damages. All rights are reserved in the event of a patent grant or registration of a utility model or design.

Copyright © Quectel Wireless Solutions Co., Ltd. 2025. All rights reserved.

Quectel Confidential

Contents

Contents **2**
1. Release Content **3**
2. Matters Needing Attention **3**
3. Release History **4**
3.1. Firmware Release History 4
3.2. New Features 4
3.3. Improved Features 4
3.4. Known Issues 4
4. Functions List **6**

Quectel Confidential

1. Release Content

This document provides the Release Notes for EG810M-CN-GB_QuecPython. The current release includes the following firmware packages.

Package	Firmware Version
Firmware	EG810MCNGBR06A01M08_OCPU_QPY
Toolchain	Helios_toolchain_1.4.1.exe

2. Matters Needing Attention

SN	Item
[1]	To prevent the frequently erase and write of SIM card due to the frequent changes in network information, affecting the service life of the SIM card, the network information is not updated by default, and GUTI and other network information are saved when the module is turned off normally with *Power.powerDown()*. The normal shutdown method is recommended.
[2]	To extend the service life of flash, it is recommended that the total number of operations related to power-on/off, CFUN switching, SIM card hot plugging, or dual-SIM switching should not exceed 30 times per day.
[3]	Please make sure that the APN has been set correctly before network registration.
[4]	There are two upgrade packages for upgrading via mini-system.
[5]	For UART transmission, it is recommended to add hardware flow control to reduce the risk of data loss during transmission.
[6]	The module turns on the remap function by default. This function is suitable for most operators' LTE network scenarios.
[7]	During the FOTA upgrade process, it is necessary to ensure the stable power supply of the module. If the power is disconnected during the upgrade, there is a small probability that the flash will be damaged.
[8]	It is not recommended to use non-mass production firmware versions for mass production. If necessary, please contact Quectel Technical Support for evaluation to mitigate risks.
[9]	Please perform thorough acceptance testing of firmware versions, covering both normal and abnormal scenarios. Please also confirm that the firmware version used in production matches the one that has been tested and accepted.
[10]	When performing firmware flashing, ensure that the target firmware version matches the module hardware. Incompatibility may lead to various issues, such as degraded RF performance.

Quectel Confidential

[11]	Do not modify the contents of the MiniFOTA upgrade package, recompress it after decompression, or perform other similar operations, because these may lead to upgrade failure. Renaming the MiniFOTA package is currently supported.
[12]	During the module shut-down process, the main UART output garbled data when it is turned off.
[13]	The 32 KHz (clock source) output from the module has an error within 20 PPM. Do not provide it to the peripherals with high accuracy demand.

3. Release History

3.1. Firmware Release History

Firmware Version	Description
EG810MCNGBR06A01M08_OCPU_QPY	Mass production

3.2. New Features

EG810MCNGBR06A01M08_OCPU_QPY	
Item	**Brief Description**
/	/

3.3. Improved Features

EG810MCNGBR06A01M08_OCPU_QPY	
Item	**Brief Description**
/	/

3.4. Known Issues

Item	Brief Description
/	/

Quectel Confidential

NOTE

Verification Environment is shown below. For more details, please contact Quectel technical support.
For Windows,
USB Driver: Quectel_Windows_USB_DriverA_Customer_V1.1.13
QPYcom Tool: QPYcom_V3.8

Quectel Confidential

4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	(U)SIM	EG810MCNGBR06A01M08_OCPU_QPY	/
	Data Call	EG810MCNGBR06A01M08_OCPU_QPY	/
	FILE	EG810MCNGBR06A01M08_OCPU_QPY	/
	SMS	EG810MCNGBR06A01M08_OCPU_QPY	/
Protocol Function	ALiYun	EG810MCNGBR06A01M08_OCPU_QPY	/
	HTTP	EG810MCNGBR06A01M08_OCPU_QPY	/
	HTTPS	EG810MCNGBR06A01M08_OCPU_QPY	/
	MQTT	EG810MCNGBR06A01M08_OCPU_QPY	/
	NITZ	EG810MCNGBR06A01M08_OCPU_QPY	/
	NTP	EG810MCNGBR06A01M08_OCPU_QPY	/
	PING	EG810MCNGBR06A01M08_OCPU_QPY	/
	SSL	EG810MCNGBR06A01M08_OCPU_QPY	/
	TCP/UDP	EG810MCNGBR06A01M08_OCPU_QPY	/
	Tencent Cloud	EG810MCNGBR06A01M08_OCPU_QPY	/
Special Function	ADC	EG810MCNGBR06A01M08_OCPU_QPY	/
	Alarm	EG810MCNGBR06A01M08_OCPU_QPY	/
	Audio Playback	EG810MCNGBR06A01M08_OCPU_QPY	/
	Audio Record	EG810MCNGBR06A01M08_OCPU_QPY	/
	ECM	EG810MCNGBR06A01M08_OCPU_QPY	/
	EINT	EG810MCNGBR06A01M08_OCPU_QPY	/
	Flash	EG810MCNGBR06A01M08_OCPU_QPY	/
	GNSS	EG810MCNGBR06A01M08_OCPU_QPY	/
	GPIO	EG810MCNGBR06A01M08_OCPU_QPY	/

Quectel Confidential

	I2C	EG810MCNGBR06A01M08_OCPU_QPY	/
	Low Power	EG810MCNGBR06A01M08_OCPU_QPY	/
	MiniFOTA	EG810MCNGBR06A01M08_OCPU_QPY	/
	Modem	EG810MCNGBR06A01M08_OCPU_QPY	/
	Network	EG810MCNGBR06A01M08_OCPU_QPY	/
	PWM	EG810MCNGBR06A01M08_OCPU_QPY	/
	RNDIS	EG810MCNGBR06A01M08_OCPU_QPY	/
	SPI	EG810MCNGBR06A01M08_OCPU_QPY	/
	TTS	EG810MCNGBR06A01M08_OCPU_QPY	/
	Timer	EG810MCNGBR06A01M08_OCPU_QPY	/
	UART	EG810MCNGBR06A01M08_OCPU_QPY	/
	USB	EG810MCNGBR06A01M08_OCPU_QPY	/
	Wi-Fi Scan	EG810MCNGBR06A01M08_OCPU_QPY	/
	Encryption and Decryption	EG810MCNGBR06A01M08_OCPU_QPY	/
	SM	EG810MCNGBR06A01M08_OCPU_QPY	/
	LCD	EG810MCNGBR06A01M08_OCPU_QPY	/
	LVGL	EG810MCNGBR06A01M08_OCPU_QPY	/
	USBNET	EG810MCNGBR06A01M08_OCPU_QPY	/

Quectel Confidential

About Quectel

Quectel's passion for a smarter world drives us to accelerate IoT innovation. As a highly customer-centric organization, we are a global IoT solution provider backed by outstanding support and services. Our growing global team of 5,900 professionals sets the pace for innovation in cellular, automotive, smart, GNSS, satellite, Wi-Fi and Bluetooth modules as well as antennas and services.

With regional offices and support across the globe, our international leadership is devoted to advancing IoT and building a smarter world.



Quectel Confidential