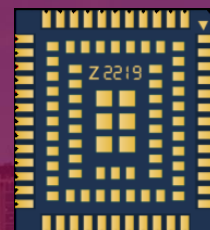


Quectel EC800M-CN

IoT/ M2M-optimized

LTE Cat 1 Module



EC800M-CN-GB_QuecPython Release Notes

LTE Standard Products

Rev. EC800M-CN-GB_QuecPython_Firmware_Release_Notes_V0602

Date: 2026-06-25

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

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1. Release Content

This document provides the Release Notes for EC800M-CN-GB_QuecPython. The current release includes the following firmware packages.

Package	Firmware Version
Firmware	EC800MCNGBR06A02M08_OCPU_QPY
Toolchain	Helios_toolchain_1.4.1.exe

2. Matters Needing Attention

Please strictly adhere to the following 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 <i>Power.powerDown()</i> . 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 powering 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.

[11]	Do not modify the contents of the FOTA upgrade package, recompress it after decompression, or perform other similar operations, because these may lead to upgrade failure. Renaming the FOTA 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
EC800MCNGBR06A02M08_OCPU_QPY	Mass production

3.2. New Features

EC800MCNGBR06A02M08_OCPU_QPY	
Item	Brief Description
/	/

3.3. Improved Features

EC800MCNGBR06A02M08_OCPU_QPY	
Item	Brief Description
/	/

3.4. Known Issues

Item	Brief Description
/	/

NOTE

Verification Environment is shown below. For more details, please contact Quectel technical support.

USB Driver: Quectel_Windows_USB_Driver(A)_Customer_V1.1.13

QPYcom Tool: QPYcom_V4.1.0

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4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	(U)SIM	EC800MCNGBR06A02M08_OCPU_QPY	/
	Data Call	EC800MCNGBR06A02M08_OCPU_QPY	/
	FILE	EC800MCNGBR06A02M08_OCPU_QPY	/
	SMS	EC800MCNGBR06A02M08_OCPU_QPY	/
Protocol Function	ALiYun	EC800MCNGBR06A02M08_OCPU_QPY	/
	HTTP	EC800MCNGBR06A02M08_OCPU_QPY	/
	HTTPS	EC800MCNGBR06A02M08_OCPU_QPY	/
	MQTT	EC800MCNGBR06A02M08_OCPU_QPY	/
	NITZ	EC800MCNGBR06A02M08_OCPU_QPY	/
	NTP	EC800MCNGBR06A02M08_OCPU_QPY	/
	PING	EC800MCNGBR06A02M08_OCPU_QPY	/
	SSL	EC800MCNGBR06A02M08_OCPU_QPY	/
	TCP/UDP	EC800MCNGBR06A02M08_OCPU_QPY	/
	Tencent Cloud	EC800MCNGBR06A02M08_OCPU_QPY	/
	VoIP	EC800MCNGBR06A02M08_OCPU_QPY	/
Special Function	ADC	EC800MCNGBR06A02M08_OCPU_QPY	/
	Alarm	EC800MCNGBR06A02M08_OCPU_QPY	/
	Audio Playback	EC800MCNGBR06A02M08_OCPU_QPY	/
	Audio Record	EC800MCNGBR06A02M08_OCPU_QPY	/
	Camera	EC800MCNGBR06A02M08_OCPU_QPY	/
	ECM	EC800MCNGBR06A02M08_OCPU_QPY	/
	EINT	EC800MCNGBR06A02M08_OCPU_QPY	/
	Ethernet	EC800MCNGBR06A02M08_OCPU_QPY	/

Flash	EC800MCNGBR06A02M08_OCUPY_QPY	/
GNSS	EC800MCNGBR06A02M08_OCUPY_QPY	/
GPIO	EC800MCNGBR06A02M08_OCUPY_QPY	/
I2C	EC800MCNGBR06A02M08_OCUPY_QPY	/
Low Power	EC800MCNGBR06A02M08_OCUPY_QPY	/
MiniFOTA	EC800MCNGBR06A02M08_OCUPY_QPY	/
Modem	EC800MCNGBR06A02M08_OCUPY_QPY	/
Network	EC800MCNGBR06A02M08_OCUPY_QPY	/
PWM	EC800MCNGBR06A02M08_OCUPY_QPY	/
RNDIS	EC800MCNGBR06A02M08_OCUPY_QPY	/
SIM Detection	EC800MCNGBR06A02M08_OCUPY_QPY	/
SPI	EC800MCNGBR06A02M08_OCUPY_QPY	/
TTS	EC800MCNGBR06A02M08_OCUPY_QPY	/
Timer	EC800MCNGBR06A02M08_OCUPY_QPY	/
UART	EC800MCNGBR06A02M08_OCUPY_QPY	/
USB	EC800MCNGBR06A02M08_OCUPY_QPY	/
Wi-Fi Scan	EC800MCNGBR06A02M08_OCUPY_QPY	/
Encryption and Decryption	EC800MCNGBR06A02M08_OCUPY_QPY	/
LCD	EC800MCNGBR06A02M08_OCUPY_QPY	/
LVGL	EC800MCNGBR06A02M08_OCUPY_QPY	/
USBNET	EC800MCNGBR06A02M08_OCUPY_QPY	/
VAD	EC800MCNGBR06A02M08_OCUPY_QPY	/
KWS	EC800MCNGBR06A02M08_OCUPY_QPY	/

About Quectel

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

