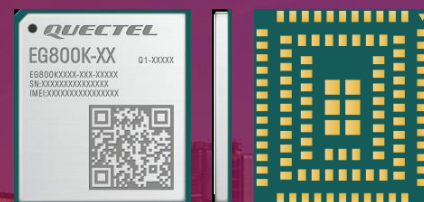


# Quectel EG800K Series

IoT/ M2M-optimized

LTE Cat 1 bis Module



## EG800K-CN-GC\_QuecPython Release Notes

### LTE Standard Module Series

Rev. EG800K-CN-GC\_QuecPython\_Firmware\_Release\_Notes\_V0702

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## 1. Release Content

This document provides the Release Notes for EG800K-CN-GC\_QuecPython. The current release includes the following firmware packages.

Package	Firmware Version
Firmware	EG800KCNGCR07A02M04_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 <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 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]	During the module shut-down process, the main UART output garbled data when it is turned off.

### 3. Release History

#### 3.1. Firmware Release History

Firmware Version	Description
EG800KCNGCR07A02M04_OCPU_QPY	Mass production
EG800KCNGCR07A01M04_OCPU_QPY	Mass production

#### 3.2. New Features

EG800KCNGCR07A02M04_OCPU_QPY	
Item	Brief Description
FOTA	Add <i>ipvtype</i> to the constructors of the request and app_fota modules. The default value of <i>ipvtype</i> is 0, that is, IPv4, and <i>ipvtype</i> can be set to 1, that is, IPv6.
GPIO	Add GPIO20 (pin 83).
HTTP	Support IPv6 in the request module.
SSL	Add the feature of CA certificate configuration in the ussl module.
(U)SIM	Add the hot swap feature. The feature takes effect immediately after configuration and the configuration is not saved after the module is rebooted.
General	Add <i>utime.localtime_ex()</i> and <i>utime.mktime_ex()</i> to solve the problem that the old functions may cause time conversion errors in scenarios of non-UTC+8 zones because they are only applicable to the UTC+8 zone.
General	Add the matrix keypad feature.
EG800KCNGCR07A01M04_OCPU_QPY	
Item	Brief Description
/	/

#### 3.3. Improved Features

EG800KCNGCR07A02M04_OCPU_QPY
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Item	Brief Description
Audio Playback	Solve the problem that the pop sound occurred before playing an audio file in the SPI_TX solution.
Audio Playback	Solve the problems of PWM analog audio stuttering, pop sound, audio loss caused by pulling up the PA too late, and the GPIO pin not being controlled normally.
Audio Playback	Solve the problem that GPIO6 and other pins were out of control when the SPI analog audio solution was used.
Flash	Update the <i>flasher.bin</i> package and configure the clock rate of all external Flash to 26 MHz to fix the problem that firmware cannot be downloaded to some external Flash.
PING	Limit the range of <i>SIZE</i> for the PING feature.

#### EG800KCNGCR07A01M04\_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.

For Windows,  
 USB Driver: Quectel\_Windows\_USB\_Driver(A)\_Customer\_V1.1.13  
 QPYcomTool: QPYcom\_V3.5

## 4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	(U)SIM	EG800KCNGCR07A02M04_OCPU_QPY	/
	Data Call	EG800KCNGCR07A02M04_OCPU_QPY	/
	FILE	EG800KCNGCR07A02M04_OCPU_QPY	/
Protocol Function	HTTP	EG800KCNGCR07A02M04_OCPU_QPY	/
	HTTPS	EG800KCNGCR07A02M04_OCPU_QPY	/
	MQTT	EG800KCNGCR07A02M04_OCPU_QPY	/
	NITZ	EG800KCNGCR07A02M04_OCPU_QPY	/
	NTP	EG800KCNGCR07A02M04_OCPU_QPY	/
	PING	EG800KCNGCR07A02M04_OCPU_QPY	/
	SSL	EG800KCNGCR07A02M04_OCPU_QPY	/
	TCP/UDP	EG800KCNGCR07A02M04_OCPU_QPY	/
	Tencent Cloud	EG800KCNGCR07A02M04_OCPU_QPY	/
Special Function	ADC	EG800KCNGCR07A02M04_OCPU_QPY	/
	Alarm	EG800KCNGCR07A02M04_OCPU_QPY	/
	Audio Playback	EG800KCNGCR07A02M04_OCPU_QPY	/
	Device Info	EG800KCNGCR07A02M04_OCPU_QPY	/
	EINT	EG800KCNGCR07A02M04_OCPU_QPY	/
	Ethernet	EG800KCNGCR07A02M04_OCPU_QPY	/
	FOTA	EG800KCNGCR07A02M04_OCPU_QPY	/
	GNSS	EG800KCNGCR07A02M04_OCPU_QPY	/
	GPIO	EG800KCNGCR07A02M04_OCPU_QPY	/
	I2C	EG800KCNGCR07A02M04_OCPU_QPY	/
	Low Power	EG800KCNGCR07A02M04_OCPU_QPY	/

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MiniFOTA	EG800KCNGCR07A02M04_OCPU_QPY	/
Modem	EG800KCNGCR07A02M04_OCPU_QPY	/
PWM	EG800KCNGCR07A02M04_OCPU_QPY	/
SIM Detection	EG800KCNGCR07A02M04_OCPU_QPY	/
SPI	EG800KCNGCR07A02M04_OCPU_QPY	/
Timer	EG800KCNGCR07A02M04_OCPU_QPY	/
UART	EG800KCNGCR07A02M04_OCPU_QPY	/
USB	EG800KCNGCR07A02M04_OCPU_QPY	/
Wi-Fi Scan	EG800KCNGCR07A02M04_OCPU_QPY	/

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## 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.

