Quectel EG915K-EU

IoT/ M2M-optimized
LTE Cat 1 bis Module

23.6 mm

19.9 mm

2.4 mm
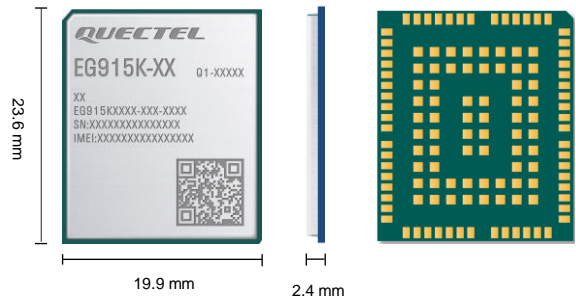
EG915K-EU is an LTE Cat 1 bis wireless communication module specially designed for the M2M and IoT applications. It supports maximum data rates of 10 Mbps downlink and 5 Mbps uplink and has an ultra-high cost performance. At the same time, EG915K-EU is compatible with Quectel LTE Standard EG915N series, EG915U series, EG91 series, EG95 series, LTE Cat M1/ Cat NB2/ EGPRS BG95 series and LTE Cat M1/ Cat NB1/ EGPRS BG96 series modules.

EG915K-EU adopts the laser engraving process to ensure more good-looking appearance, strong metal texture, better heat dissipation, information not easily erased, and more suitable for automation needs.

A rich set of Internet protocols, industry standard interfaces, and abundant functionalities (USB drivers for Windows 8.1/ 10/ 11, Linux and Android) help expand the applicability of EG915K-EU to a wide range of M2M and IoT applications, such as asset management , commercial telematics, payment , RMAC, smart safety and automation and smart metering.

Key Features

✔ Ultra-small size, designed for M2M and IoT applications, especially for small-size terminals

✔ Support DFOTA

✔ Support Wi-Fi Scan

✔ Super cost-effective

LTE Cat 1 bis
Max. 10 Mbps (DL)
Max. 5 Mbps (UL)

LGA Package

Embedded Multiple
Network Protocols

USB 2.0
High-speed interface

USB Driver

DFOTA

Quectel Enhanced
AT Command

LTE Cat 1 bis	EG915K-EU
Region/ Operator	EMEA
Package	LGA
Dimensions (mm)	23.6 × 19.9 × 2.4
Weight (g)	Approx. 2.3
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	B1/ 3/ 5/ 7/ 8/ 20/ 28
LTE-TDD	B38/ 40/ 41
GNSS* (Optional)	BDS/ GPS/ GLONASS
Certifications	
Regulatory	**Europe**: CE* **Australia/ New Zealand**: RCM*
Others	WHQL
Max. Data Rate	
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)
LTE-TDD (Mbps)	8.96 (DL)/ 3.1 (UL)
Interfaces	
(U)SIM	× 1, 1.8/ 3.0 V
UART	× 3 (main UART, debug UART and auxiliary UART[①])
USB 2.0	× 1
ADC*	× 2
SPI[①]	× 1
PWM[①]	× 3
I2C[①]	× 1
LCM[①]	× 1
RESET_N	× 1
PWRKEY	× 1
Main/ Wi-Fi scan antenna	× 1
GNSS antenna	× 1
Enhanced Features	
DFOTA	●
Wi-Fi Scan	●
QuecOpen®*	○
QuecPython®*	○
(U)SIM Detection	●
Software Features	
Protocols Stack	TCP/ UDP/ NTP/ NITZ/ MQTT/ SSL/ PPP/ PING/ FTP/ HTTP/ HTTPS/ FTPS

Drivers	**RIL**	Android 4.x–13.x
	USB RNDIS	Windows 8.1/ 10/ 11 Linux 2.6–6.7
	USB ECM	Linux 2.6–6.7
	USB Serial	Windows 8.1/ 10/ 11 Linux 2.6–6.7 Android 4.x–13.x

Electrical Features	
Power Supply	3.4–4.3 V, typ. 3.8 V
Power Consumption (Typical)	9.64 µA @ Power off 0.90 mA @LTE-FDD Sleep (PF = 128 USB Disconnected) 0.90 mA @LTE-TDD Sleep (PF = 128 USB Disconnected) 0.83 mA @LTE-FDD Sleep (PF = 256 USB Disconnected) 0.82 mA @LTE-TDD Sleep (PF = 256 USB Disconnected) 10.76 mA @LTE-FDD Idle (PF = 64, USB Disconnected) 20.74 mA @LTE-FDD Idle (PF = 64, USB Connected) 10.77 mA @LTE-TDD Idle (PF = 64, USB Disconnected) 20.76 mA @LTE-TDD Idle (PF = 64, USB Connected)

NOTE:

1. *: Under development/ in progress.
2. [①]: Only supported in QuecOpen® solution.
3. ●: Supported.
4. ○: Optional.

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