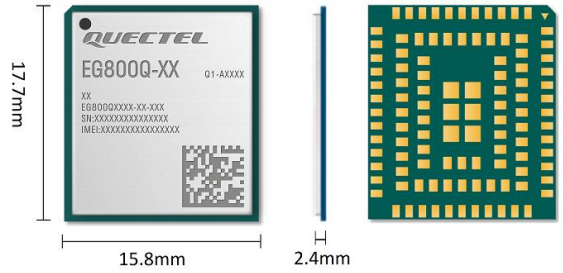


# Quectel EG800Q-EU

## IoT/M2M-optimized LTE Cat 1 Module



Quectel EG800Q-EU is a LTE Cat 1 module optimized specially for M2M and IoT applications. Adopting the 3GPP Rel-14 LTE technology, it delivers maximum data rates up to 10 Mbps downlink and 5 Mbps uplink. Designed in a compact and unified form factor.

A rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows 7/ 8/ 8.1/ 10/ 11, Linux, Android) extend the applicability of the module to a wide range of M2M and IoT applications, such as asset management, commercial telematics, payment, RMAC (Remotely Managed Access Control), security and automation, smart metering and smart grid.



### Key Features

- ✓ LTE Cat 1 module optimized for M2M and IoT applications
- ✓ LTE-FDD coverage
- ✓ Supports DFOTA
- ✓ LTE module in compact size
- ✓ Supports Wi-Fi Scan



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



Compact Size



LGA Package



Embedded Abundant  
Protocols



DFOTA



Quectel Enhanced  
AT Commands



USB 2.0 High Speed  
Interface

# Quectel EG800Q-EU

LTE Cat 1	EG800Q-EU
Region/Operator	Europe
Dimensions (mm)	15.8 × 17.7 × 2.4
Weight (g)	Approx. 2.0
Package	LGA
<b>Temperature Range</b>	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
<b>Frequency Bands</b>	
LTE-FDD	B1/ 3/ 5/ 7/ 8/ 20/ 28
<b>Certifications</b>	
Carrier	<b>Europe</b> : Deutsche Telekom*
Regulatory	<b>Europe</b> : CE*
	<b>The UK</b> : UKCA*
	<b>Australia/New Zealand</b> : RCM*
Others	WHQL
<b>Data Rates</b>	
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)
<b>Interfaces</b>	
USB 2.0	× 1
Digital Audio (PCM)*	× 1
USIM	× 1
NET_STATUS	× 1
UART	× 3 (Main, Debug and Auxiliary UART*)
ADC	× 1
RESET_N	× 1
PWRKEY	× 1
I2C*	× 1
USB_BOOT	× 1
Antenna	× 1 (Main Antenna)
<b>Voice</b>	
Speech Codec Modes*	AMR/ WAV
Audio*	Digital audio
<b>Software Features</b>	
Protocols	TCP/ UDP/ NTP/ NITZ/ FTP/ HTTP/ PING/ HTTPS/ FTPS/ SSL/ MQTT/ CMUX*/ PPP*/ FILE*/ MMS*/ SMTP*/ SMTPS*
USB Serial Driver	Windows 7/ 8/ 8.1/ 10/ 11
	Linux 2.6–5.18* Android 4.x–12.x*
RIL Driver	Android 4.x–12.x*
USB RNDIS Driver	Windows 7/ 8/ 8.1/ 10/ 11
	Linux 2.6–5.18*
USB ECM Driver	Linux 2.6–5.18*
<b>Enhanced Features</b>	
DTMF*	●
DFOTA	●
QuecLocator®*	●
Wi-Fi Scan	●
USIM Card Detection	●
<b>Electrical Features</b>	
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typical)	50 μA @ Power off Mode
	0.06 mA @ Sleep Mode (AT+CFUN=0, USB disconnected)
	0.16 mA @ Sleep Mode (AT+CFUN=4, USB disconnected)
	4.50 mA @ Idle Mode (PF=64, USB disconnected)
	22.30 mA @ Idle Mode (PF=64, USB connected)

NOTE:

- \*: Under development/In progress.
- : Supported.