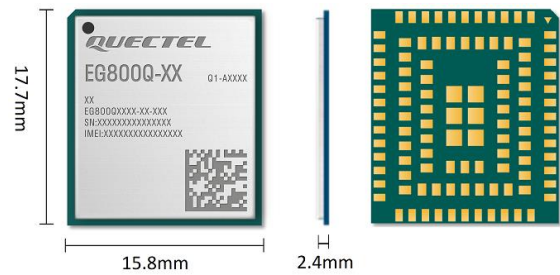


Quectel EG800Q-EU

IoT/M2M-optimized
LTE Cat 1 Module



Quectel EG800Q-EU is an 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, EG800Q-EU is compatible with Quectel GSM/GPRS M66 module.

An rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows7/8/8.1/10/11, Linux, Android) extend the applicability of the module to a wide range of M2M and IoT applications such as industrial router, industrial PDA, tablet PC, video surveillance, and digital signage.



Key Features

- ✓ LTE Cat 1 module optimized for M2M and IoT applications
- ✓ LTE FDD coverage
- ✓ Support DFOTA
- ✓ Super cost-effective
- ✓ LTE multi-mode module in compact size
- ✓ Support 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	15.8 mm × 17.7 mm × 2.4 mm
Weight	Approx. 2.0 g
Package	LGA
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	B1/B3/B5/B7/B8/B20/B28
Certifications	
Regulatory	Europe: CE*/UKCA* Australia/New Zealand: RCM*
Others	WHQL
Data Rates	
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)
Interfaces	
USB 2.0	× 1
Digital Audio (PCM)	× 1
(U)SIM	× 1
NET_STATUS	× 1
UART	× 3 (main, debug and auxiliary*)
ADC	× 1
RESET_N	× 1
PWRKEY	× 1
I2C	× 1
USB_BOOT	× 1
Antenna	× 1
Voice	
Speech Codec Modes	-
Echo Arithmetic	-
Audio	-
Software Features	
Protocols	TCP/UDP/PPP/NTP/NITZ/FTP/HTTP/PING/CMUX/HTTPS/FTPS/SSL/FILE/MQTT
USB Serial Driver	Windows 7/8/8.1/10/11 Linux* 2.6–5.15 Android* 4.x–12.x
RIL Driver	Android* 4.x–12.x
USB RNDIS Driver	Windows 7/8/8.1/10/11 Linux* 2.6–5.15
USB ECM Driver	Linux* 2.6–5.15
Enhanced Features	
DTMF	●
DFOTA*	●
Audio Playback/Audio Recording	-
QuecLocator®	●
Wi-Fi Scan	●
(U)SIM Card Detection	●
Electrical Features	
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typical)	TBD

NOTE:
1.*: under development.
2.TBD: To Be Determined