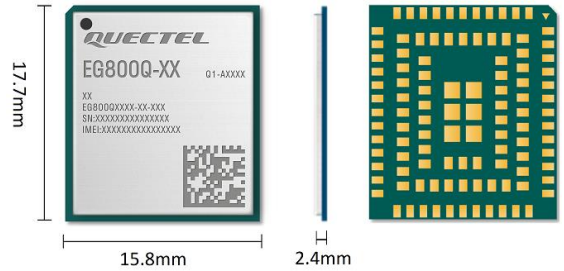


Quectel EG800Q-EU

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 |
| 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 |
| Certifications | |
| Carrier | Europe : Deutsche Telekom* |
| Regulatory | Europe : CE* |
| | The UK : 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 |
| 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) |
| Voice | |
| Speech Codec Modes* | AMR/ WAV |
| Audio* | Digital audio |
| Software Features | |
| 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 |
| USB ECM Driver | Linux 2.6–5.18* |
| Enhanced Features | |
| DTMF* | ● |
| DFOTA | ● |
| QuecLocator®* | ● |
| Wi-Fi Scan | ● |
| USIM Card Detection | ● |
| Electrical Features | |
| 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.