



# Quectel EG800Q

LTE Cat 1 bis	EG800Q-EU	EG800Q-NA
Region/ Operator	Europe	North America
Dimensions (mm)	17.7 × 15.8 × 2.4	17.7 × 15.8 × 2.4
Weight (g)	Approx. 2.0	Approx. 2.0
Package	LGA	LGA
<b>Temperature Range</b>		
Operating Temperature	-35 °C to +75 °C	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C	-40 °C to +85 °C
<b>Frequency Bands</b>		
LTE-FDD	B1/ 3/ 5/ 7/ 8/ 20/ 28	B2/ 4/ 5/ 12/ 13/ 66
<b>Certifications</b>		
Carrier	<b>Europe:</b> Deutsche Telekom	<b>America:</b> Verizon*/ AT&T*/ T-Mobile*
Regulatory	<b>Europe:</b> CE <b>The UK:</b> UKCA <b>Australia/ New Zealand:</b> RCM	<b>Global:</b> GCF* <b>North America:</b> PTCRB* <b>America:</b> FCC* <b>Canada:</b> IC*
Others	WHQL	WHQL
<b>Max. Data Rates</b>		
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)	10 (DL)/ 5 (UL)
<b>Interfaces</b>		
USB 2.0	× 1	× 1
Digital Audio (PCM)*	× 1	× 1
USIM	× 1	× 1
NET_STATUS	× 1	× 1
UART	× 3 (Main, Debug and Auxiliary UART*)	× 3 (Main, Debug and Auxiliary UART*)
ADC	× 2	× 2
RESET_N	× 1	× 1
PWRKEY	× 1	× 1
I2C	× 1	× 1
USB_BOOT	× 1	× 1
Antenna	× 1 (Main Antenna)	× 1 (Main Antenna)
<b>Software Features</b>		
Protocols	TCP/ UDP/ NTP/ NITZ/ FTP/ HTTP/ PING/ HTTPS/ FTPS/ SSL/ MQTT/ CMUX/ PPP/ FILE/ SMTP/ SMTPS/ MMS*	TCP/ UDP/ NTP/ NITZ/ FTP/ HTTP/ PING/ HTTPS/ FTPS/ SSL/ MQTT/ CMUX/ PPP/ FILE/ SMTP/ SMTPS/ MMS*
USB Serial Driver	Windows 8/ 8.1/ 10/ 11 Linux 2.6–6.5 Android 4.x–13.x	Windows 8/ 8.1/ 10/ 11 Linux 2.6–6.5 Android 4.x–13.x
RIL Driver	Android 4.x–13.x	Android 4.x–13.x
USB RNDIS Driver	Windows 8/ 8.1/ 10/ 11 Linux 2.6–6.5	Windows 8/ 8.1/ 10/ 11 Linux 2.6–6.5
USB ECM Driver	Linux 2.6–6.5	Linux 2.6–6.5
<b>Enhanced Features</b>		
DFOTA	●	●
Wi-Fi Scan	●	●
USIM Card Detection	●	●
<b>Electrical Features</b>		
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typ.)	55 µA @ Power off Mode 0.06 mA @ Sleep Mode (AT+CFUN = 0, USB disconnected) 0.15 mA @ Sleep Mode (AT+CFUN = 4, USB disconnected) 4.50 mA @ Idle Mode (PF = 64, USB disconnected) 25.50 mA @ Idle Mode (PF = 64, USB connected)	50 µA @ Power off Mode 0.06 mA @ Sleep Mode (AT+CFUN = 0, USB disconnected) 0.15 mA @ Sleep Mode (AT+CFUN = 4, USB disconnected) 4.50 mA @ Idle Mode (PF = 64, USB disconnected) 25.00 mA @ Idle Mode (PF = 64, USB connected)

NOTE:

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