

Quectel EG916Q-GL

LTE Cat 1 bis	EG916Q-GL
Region/ Operator	Global
Dimensions (mm)	26.5 × 22.5 × 2.4
Weight (g)	Approx. 2.6
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 18/ 19/ 20/ 25/ 26/ 28/ 66
LTE-TDD	B34/ 38/ 39/ 40/ 41
GNSS (Optional)	GPS/ GLONASS/ BDS/ Galileo/ QZSS
Certifications	
Carrier	America: Verizon*/ AT&T*/ T-Mobile*
Regulatory	Global: GCF* Europe: CE* North America: PTCRB* America: FCC* The UK: UKCA* Canada: IC* Brazil: Anatel* China: SRRC*/ NAL*/ CCC* Korea: KC* Australia/ New Zealand: RCM* South Africa: ICASA*
Others	WHQL
Max. Data Rates	
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)
LTE-TDD (Mbps)	8.96 (DL)/ 3.1 (UL)
Interfaces	
USIM ^①	× 2 (1.8/ 3.0 V)
UART	× 4 (Main, Debug, GNSS ^③ and GNSS Debug UART ^③)
USB 2.0	× 1
RESET_N	× 1
PWRKEY	× 1
Digital Audio (PCM)*	× 1
I2C*	× 1
Camera SPI* ^②	× 1
ADC	× 2
USB_BOOT	× 1
GRFC	× 2
Antenna	× 2 (Main and GNSS Antennas ^③)

NOTE:

1. ① : When the USIM2 interface is enabled, both USIM1 and USIM2 interfaces support 1.8 V USIM cards only.

2. ② : Camera SPI and USIM2 are multiplexing pins, so they cannot be used at the same time.

3. ③ : GNSS UART, GNSS Debug UART and GNSS antenna interfaces are optional.

4. *: Under development/In progress.



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Software Features	
Protocols	TCP/ UDP/ NTP/ NITZ/ FTP/ HTTP/ PING/ HTTPS/ FTPS/ SSL/ MQTT/ CMUX/ PPP/ FILE/ SMTP/ SMTPS/ MMS*
USB Serial Driver	Windows 7/ 8/ 8.1/ 10/ 11 Linux 2.6–6.5 Android 4.x–13.x
RIL Driver	Android 4.x–13.x
USB RNDIS Driver	Windows 7/ 8/ 8.1/ 10/ 11 Linux 2.6–6.5
USB ECM Driver	Linux 2.6–6.5
Enhanced Features	
DFOTA	●
Wi-Fi Scan	●
USIM1 Card Detection	●
Electrical Features	
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typ.)	0.4 μA @ Power off 45 μA @ Sleep Mode (AT+CFUN = 0, USB Disconnected) 0.125 mA @ Sleep Mode (AT+CFUN = 4, USB Disconnected) 0.68 mA @ Idle Mode (PF = 64, USB Disconnected) 25.8 mA @ Idle Mode (PF = 64, USB Connected)

NOTE:
1. *: Under development.
2. ●: Supported.

