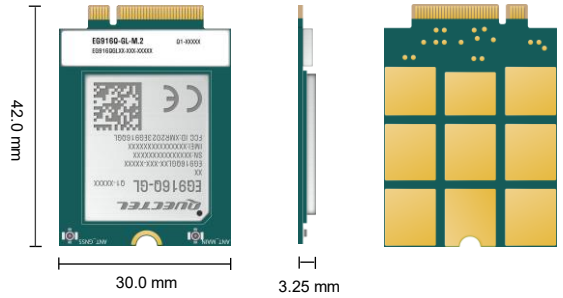


Quectel EG916Q-GL M.2

IoT/ M2M-optimized
LTE Cat 1bis Module



Quectel EG916Q-GL M.2 is an LTE Cat 1bis module adopting standard M.2 form factor. It is optimized specially for M2M and IoT applications, and delivers maximum data rates up to 10 Mbps downlink and 5 Mbps uplink.

With high integration level and a cost-effective SMT form factor, EG916Q-GL M.2 enables integrators and developers to easily design their applications and take advantage from the module’s low power consumption and mechanical intensity.

A rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows 10/ 11, Linux, and Android) extend the applicability of the module to a wide range of M2M and IoT applications, such as aftermarket telematics, asset management, commercial telematics, emerging verticals, fixed wireless access (FWA), PDA, smart safety and telehealth.



Key Features

- ✓ Cost-effective, lower-power LTE connectivity optimized for broadband IoT applications
- ✓ Standard M.2 form factor ideal for manufacturers to easily integrate wireless connectivity into devices
- ✓ Robust mounting and interfaces
- ✓ GNSS (optional)



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



USB 2.0 High Speed
Interface



Embedded Abundant
Protocols



DFOTA



Quectel Enhanced
AT Commands



USB Drivers

Quectel EG916Q-GL M.2

LTE Cat 1bis	EG916Q-GL M.2
Region/ Operator	Global
Dimensions (mm)	42.0 × 30.0 × 3.25
Weight (g)	Approx. 6.5
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +80 °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 Europe: Vodafone Global: GCF* Europe: CE North America: PTCRB America: FCC* Canada: IC* China: NAL*/ CCC* Japan: JATE/ TELEC Australia/ New Zealand: RCM
Regulatory/ Conformance	
Others	WHQL
Max. Data Rates	
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)
LTE-TDD (Mbps)	8.96 (DL)/ 3.1 (UL)
Interfaces	
USIM	× 1 (1.8/ 3.0 V)
USB2.0	× 1
Control and Indication Signals	W_DISABLE1#*, WWAN_LED#, WOWWAN#*, DPR*
PCM (Digital Audio)*	× 1
I2C*	× 1
Antenna	× 2 (Main and GNSS antennas ^①)
Software Features	
Protocols	TCP/ UDP/ NTP/ NITZ/ FTP/ HTTP/ PING/ HTTPS/ FTPS/ SSL/ MQTT/ CMUX/ PPP/ FILE/ SMTP/ SMTPS/ MMS*
USB Serial Driver	Windows 10/ 11 Linux 2.6–6.7 Android 4.x–14.x
RIL Driver	Android 4.x–14.x
USB RNDIS Driver	Windows 10/ 11 Linux 2.6–6.7
USB ECM Driver	Linux 2.6–6.7
Enhanced Features	
DFOTA	●
Wi-Fi Scan	●
USIM Card Detection	●
Electrical Features	
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typ.)	50.0 μA @ Power off 0.65 mA @ LTE sleep (PF = 128) 0.53 mA @ LTE sleep (PF = 256) 26.2 mA @ Idle (PF = 64, USB active)

NOTE:
1. ①: GNSS antenna is optional.
2. *: Under development/ in progress.
3. ●: Supported.

