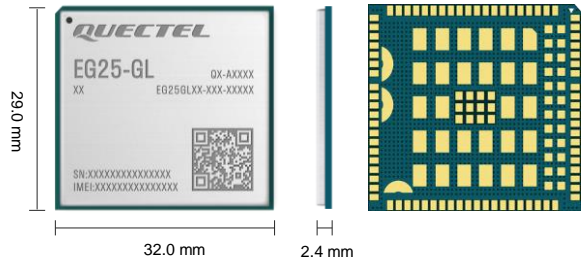


Quectel EG25-GL

IoT/M2M-optimized LTE Cat 4 Module



Quectel EG25-GL is an LTE Cat 4 module optimized specially for M2M and IoT applications. Adopting the 3GPP Rel-11 LTE technology, it delivers maximum data rates up to 150 Mbps downlink and 50 Mbps uplink. Designed in the compact and unified form factor, EG25-GL is compatible with Quectel UMTS/HSPA+ UC200A-GL module and multi-mode LTE Standard EC2x series (EC25 series, EC21 series and EC20-CE)/EC200A series/EG21-G/EG25-G modules, which allow for flexible migration among them in design and use.

EG25-GL is backward-compatible with existing EDGE and GSM/GPRS networks, ensuring that it can be connected even in remote areas devoid of 4G or 3G coverage.

EG25-GL supports Qualcomm® IZat™ location technology Gen8C Lite (GPS, GLONASS, BDS, Galileo and QZSS). The integrated GNSS greatly simplifies product design, and provides quicker, more accurate and more dependable positioning.

A rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows 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, rugged tablet PC, video transmission, and digital signage.



Key Features

- ✓ LTE Cat 4 module optimized for M2M and IoT applications
- ✓ Worldwide LTE, UMTS/HSPA(+) and GSM/GPRS/EDGE coverage
- ✓ Multi-constellation GNSS receiver available for applications requiring fast and accurate fixes in any environment
- ✓ Feature refinements: supports DFOTA and DTMF
- ✓ MIMO technology meets demands for data rate and link reliability in modem wireless communication systems



LTE Cat 4
Max. 150 Mbps (DL)
Max. 50 Mbps (UL)



Max. 42 Mbps (DL)
Max. 5.76 Mbps (UL)



LGA Package



USB Drivers



Quectel Enhanced
AT Commands



USB 2.0 High Speed
Interface



Embedded Abundant
Protocols



Multi-constellation GNSS
(optional)

Quectel EG25-GL

LTE Cat 4	EG25-GL
Region/Operator	Global
Dimensions (mm)	29.0 × 32.0 × 2.4
Weight (g)	Approx. 4.9
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
WCDMA	B1/2/4/5/6/8/19
TD-SCDMA	-
GSM/EDGE	B2/3/5/8
GNSS (Optional)	GPS/GLONASS/BDS/Galileo/QZSS
Certifications	
Carrier	America: Verizon/AT&T/T-Mobile Canada: Telus Australia: Telstra New Zealand: Spark
Regulatory	Global: GCF Europe: CE North America: PTCRB America: FCC The UK: UKCA Canada: IC Brazil: Anatel China: SRRC/NAL/CCC South Korea: KC Taiwan, China: NCC Japan: JATE/TELEC Australia/New Zealand: RCM
Others	RoHS/WHQL
Max. Data Rates	
LTE-FDD (Mbps)	150 (DL)/50 (UL)
LTE-TDD (Mbps)	130 (DL)/30 (UL)
DC-HSPA+ (Mbps)	42 (DL)/5.76 (UL)
WCDMA (kbps)	384 (DL)/384 (UL)
EDGE (kbps)	296 (DL)/236.8 (UL)
GPRS (kbps)	107 (DL)/85.6 (UL)
Interfaces	
(U)SIM	× 2
UART	× 2 (Main & Debug UART)
USB 2.0	× 1
SDIO	× 1
Digital Audio (PCM)	× 1
ADC	× 2
Voice	
Speech Codec Modes	HR/FR/EFR/AMR/AMR-WB
Echo Arithmetic	Echo Cancellation/Noise Suppression
VoLTE (Optional)	Digital Audio and VoLTE (Voice over LTE)
Enhanced Features	
DTMF	●
DFOTA	●
QMI/RmNet	●
Audio Playback/Audio Recording	Optional
QuecOpen®	-
QuecFile®	●
(U)SIM Card Detection	●

NOTE:

● : Supported.

Quectel EG25-GL

LTE Cat 4	EG25-GL
Software Features	
Protocols	TCP/UDP/PPP/FTP/HTTP/NTP/PING/QMI/NITZ/SMTP/MQTT/CMUX/HTTPS/FTPS/SMTPTS/SSL/MMS/FILE
Drivers	
USB Serial Driver	Windows 10/11 Linux 2.6–6.7 Android 4.x–14.x
GNSS Driver	Android 4.x–14.x
RIL Driver	Android 4.x–14.x
USB NDIS Driver	Windows 10/11
USB GobiNet Driver	Linux 2.6–6.7
USB QMI_WWAN Driver	Linux 3.4–6.7
Electrical Features	
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typ.)	7 μ A @ Power off 1.3 mA @ Sleep 15.7 mA @ Idle