

MOBITEK® Q25

4G Modem

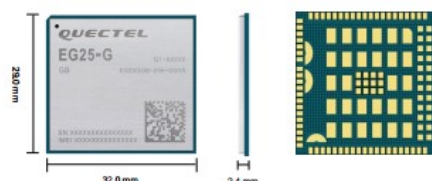


- Connectivity:
1. Serial port (RS-232)
 2. USB port; and
 3. LAN port



Quectel EG25-G

Module Manufacturer: IoT/M2M-optimized
LTE Cat 4 Module



Quectel EG25-G 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-G is compatible with Quectel UMTS/HSPA+ UC200T series module and multi-mode LTE Standard EC2x series (EC25, EC21 and EC20 R2.1)/EG21-G modules, which allows for flexible migration among them in design and use.

EG25-G 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.

MOBITEK System Sdn .Bhd. (207015-D)

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MOBITEK® Q25

4G Modem

Variant for Global

EG25-G:

LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/
B19/B20/B25/B26/B28

LTE-TDD: B38/B39/B40/B41

WCDMA: B1/B2/B4/B5/B6/B8/B19

GSM: B2/B3/B5/B8

Data

LTE:

LTE-FDD: Max. 150 Mbps (DL)/Max. 50 Mbps (UL)

LTE-TDD: Max. 130 Mbps (DL)/Max. 30 Mbps (UL)

UMTS:

DC-HSDPA: Max. 42 Mbps (DL)

HSUPA: Max. 5.76 Mbps (UL)

WCDMA: Max. 384 kbps (DL)/Max. 384 kbps (UL)

GSM:

EDGE: Max. 296 kbps (DL)/Max. 236.8 kbps (UL)

GPRS: Max. 107 kbps (DL)/Max. 85.6 kbps (UL)

Cellular Network

Protocols Supported:

- TCP
- UDP
- PPP
- FTP
- HTTP
- NTP
- PING
- QMI
- NITZ
- SMTP
- MQTT
- CMUX
- HTTPS
- FTPS
- SMTPS
- SSL
- MMS/FILE

Voice, Data and SMS feature:

- Circuit Switched Data (CSD) service
- Automatic fax group 3 (Class 1 and Class 2):
- MNP2, V.42bis
- Text and PDU SMS
- Point to point SMS (MT/MO)
- UCS2 Character Set Management

AT Command:

- 3GPP TS 27.005
- 3GPP TS 27.007
- Enhanced AT Commands

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Key Benefits

Key Benefits:

- ✓ 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

Other feature:

- Operating status LED
- Casing: Aluminium alloy

Interfaces:

- SIM drawer: 1.8 / 3.0 V
- RS-232C on 15-pin sub-D: support
- USB 2.0 on mini-B female connector (slave only)
- Micro-Fit™ 4-pin connector:
 - Power supply (on 2 pins)
 - 2 x digital input / output (on 2 pins)
- SMA antenna connector (50 Ω): Cellular

Dimensions:

- Size without connectors: 71 mm x 54 mm x 25 mm
- Weight: 90 g

Temperature range:

- Operating (in C / F): -30 ~ +75 / -22 ~ +167

Power supply:

- Input voltage: 5 to 32 V DC

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