

# DATA SHEET QUECTEL EG25-G WIRELESS MODULE

## KEY BENEFITS

Cost-effective, lower-power LTE connectivity optimized for broadband IoT applications in LGA package
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*, eCall*, QuecLocator and DTMF
MIMO technology meets demands for data rate and link reliability in modem wireless communication systems
Extreme operating temperature range -40 °C to +85 °C

## NETWORK

<b>3GPP Protocol Stack Compliancy</b>	Release 10
<b>Support for TS.34 IoT Communication Efficiency</b>	RPM - supported
<b>Wireless Protocol Support</b>	
2G/GPRS	Supported
3G/UMTS	Supported
4G/LTE	Supported
NB-IoT	None
<b>Frequency Band Support</b>	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands	B1, B2, B4, B5, B6, B8, B19
4G Bands	B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40, B41
NB-IoT Bands (MHz)	None
<b>3GPP Classes / Categories</b>	
CSD	Supported
GPRS Multislot Class (DL/UL)	10 (107/85.6) kbit/s
EDGE Class (DL/UL)	10 (296/236.8) kbit/s
HSDPA Category (DL)	24 (42Mbit/s)
HSUPA Category (UL)	6 (5.76 Mbit/s)
LTE Category (DL/UL)	4 (150/50) Mbit/s
NB-IoT Category	None
<b>Short Message Service (SMS)</b>	Yes
<b>Speech Codecs</b>	GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR, UMTS AMR, UMTS AMR2
<b>Firmware Updates</b>	Supported
<b>Integrated Positioning Technology</b>	

GPS	Optional
GLONASS	Optional
Control Plane A-GPS Support	None
SUPL A-GPS Support	None
<b>Regulatory</b>	
eCall	Supported* (* - under development)
Standalone / Assisted GNSS	Optional
TTY	None

## HARDWARE

Dimensions (L x W x H, mm)	32.0 x 29.0 x 2.4
Weight (g)	4,9
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.3 - 4.3
<b>Interfaces</b>	
USB 2.0 (480 Mbps)	Supported
ASC0 HS Serial Modem	None
GPIO Lines	Supported
UICC and U/SIM (1.8 V/3 V)	1.8 V, 3 V
ADC and I2C	Supported
Serial Interfaces 1.8 V (including automatic baud rate detection)	Supported
Digital Audio, prepared for Analog Audio	Optional



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## CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	09.07.2019 (EG25GGBR07A06M2G)
Certified Deutsche Telekom Affiliates	AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	DTAG ITS-IVA
DT Certification Type (Conditions)	<b>Full</b>
<b>Deutsche Telekom Affiliate Country Codes</b>	
AT	Magenta Telekom GmbH
CZ	T-Mobile Czech Republic a.s.
DE	Telekom Deutschland GmbH
GR	COSMOTE Mobile Telecommunications S.A.
HR	Hrvatski Telekom d.d.
HU	Magyar Telekom Telecommunications plc
ME	Cmorgski Telekom a.d. Podgorica
MK	Makedonski Telekom AD - Skopje
NL	T-Mobile Netherlands B.B.
PL	T-Mobile Polska S.A.
RO	Telekom Romania Mobile Communications S.A.
SK	Slovak Telekom, a.s.



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