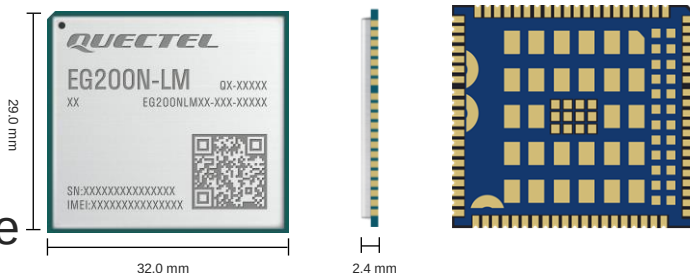




Quectel EG200N-LM

IoT/M2M-optimized
LTE Cat 1 bis/ Cat M Module



EG200N-LM is an LTE Cat 1 bis & Cat M & GSM three-in-one wireless communication module designed by Quectel Communications for the M2M and IoT fields. It supports global mainstream frequency bands and low power consumption characteristics, and automatically switches between Cat 1 bis & Cat M & GSM modes according to network coverage. The three-mode dynamic switching mode ensures connection reliability and has extremely high cost performance and stability.

EG200N-LM adopts the laser engraving process to ensure more good-looking appearance, strong metal texture, better heat dissipation, information not easily erased, and more suitable for automation needs.

A rich set of Internet protocols, industry standard interfaces, and abundant functionalities (USB drivers for Windows 10/ 11, Linux and Android).



Key Features

- ✓ Support dynamic switching of multiple communication formats
- ✓ Specially designed for M2M and IoT applications
- ✓ Support DFOTA remote online upgrade, therefore reducing later operation and maintenance costs



LTE Cat 1 bis



LTE Cat M



EDGE



USB 2.0
High-speed interface



LGA Package



Embedded Multiple
Network Protocols



Quectel Enhanced
AT Command



USB Driver



DFOTA

Version: 1.0.0 | Status: Preliminary

Quectel EG200N-LM

LTE Cat 1 bis & Cat M	EG200N-LM
Region/ Operator	Europe
Package	LGA
Dimensions (mm)	29.0 × 32.0 × 2.4
Weight (g)	TBD
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	Cat 1 bis: B1/ 3/ 8/ 20/ 31 Cat M1: B1/ 3/ 8/ 20/ 31
GSM	B3/ 8
Certifications	
Regulatory/ Conformance	Europe: CE*
Others	WHQL
Max. Data Rate	
Cat 1 bis (Mbps)	10 (DL)/ 5 (UL)
Cat M1(Mbps)	0.588 (DL)/ 1.119 (UL)
EDGE (kbps)	296 (DL)/ 236.8 (UL)
Interfaces	
(U)SIM	× 1, 1.8 V
UART	× 3
USB 2.0	× 2
ADC	× 1
Antenna	× 1 (Main Antenna)
Enhanced Features	
DFOTA	Supported
QuecFile®	Supported
(U)SIM Detection	Supported
Internet Protocols	
Internet Protocols	TCP/ UDP/ FTP/ HTTP/ NTP/ PING/ NITZ/ HTTPS/ SMTP/ FTPS/ SMTPS/ SSL/ FILE/ MQTT*/ LwM2M*
Drivers	
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
Electrical Features	
Supply Voltage Range	3.4–4.3 V, Typ. 3.8 V
Power Consumption (Typical)	TBD

NOTE:
1. *: Under development/ in progress.
2. TBD: To be determined.

