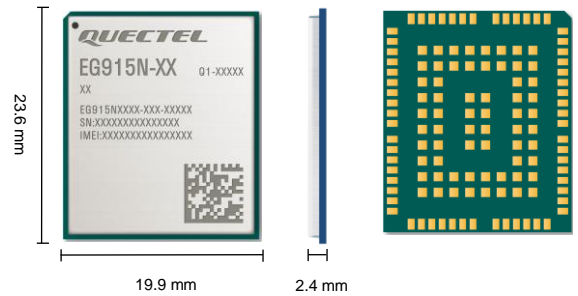


Quectel EG915N-EU

IoT/M2M-optimized LTE Cat 1 Module



Quectel EG915N-EU is a LTE Cat 1 module optimized specially for M2M and IoT applications. Adopting the 3GPP Rel-9 technology, EG915N-EU delivers maximum data rates of 10 Mbps downlink and 5 Mbps uplink. Designed in a compact and unified form factor, EG915N-EU is compatible with Quectel GSM/GPRS module M95, UMTS/HSPA modules UG96, LTE Cat NB2 module BC95-G, LTE Cat M1/Cat NB2/EGPRS module BG95 series, LTE Cat M1/Cat NB1/EGPRS module BG96, LTE Cat 1 module EG91 series and LTE Cat 4 module EG95 series, which allows flexible switch among different networks.

A rich set of internet protocols, industry-standard interfaces and abundant functionalities (USB drivers for Windows 7/8/8.1/10, Linux and Android) help extend the applicability of EG915N-EU to a wide range of M2M and IoT applications such as industrial router, industrial PDA, tablet PC, video surveillance, and digital signage.



Key Features

- ✓ LTE Cat 1 module optimized for M2M and IoT applications
- ✓ Extensive LTE, GSM/GPRS/EDGE coverage
- ✓ Support DFOTA
- ✓ Super cost-effective
- ✓ LTE multi-mode module in compact size



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



Compact Size



LGA Package



Embedded Abundant
Protocols



DFOTA



Dual SIM*



USB 2.0 High Speed
Interface



VoLTE*



Quectel Enhanced
AT Commands

Quectel EG915N-EU

LTE Cat 1	EG915N-EU
Region/Operator	Europe
Dimensions (mm)	23.6 × 19.9 × 2.4
Weight	Approx. 3.2 g
Package	LGA Package
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	B1/ B3/ B7/ B8/ B20
GSM	B3/ B8
GNSS	GPS/BeiDou (Optional)
Certifications	
Regulatory	Europe: CE*
Data Transmission	
LTE-FDD Data Rate (Mbps)	10 (DL)/ 5 (UL)
GPRS Data Rate (kbps)	85.6 (DL)/ 85.6 (UL)
EDGE Data Rate (kbps)	236.8 (DL)/ 236.8 (UL)
Interfaces	
USB 2.0	× 1
Digital Audio (PCM)	× 1
(U)SIM*	× 2
NET_STATUS	× 1
UART	× 3
ADC	× 2
SPI	× 1
RESET_N	× 1
PWRKEY	× 1
Antenna	× 2
I2C	× 1
USB_BOOT	× 1
Voice	
Speech Codec Modes	HR/ FR/ EFR/ AMR/ AMR-WB
Echo Arithmetic	Echo Cancellation/ Noise Suppression
Audio	Analog Audio/ Digital Audio

Note:

* means under development.

Quectel EG915N-EU

LTE Cat 1	EG915N-EU
Software Features	
Protocols	TCP/ UDP/ PPP/ NTP/ NITZ/ FTP/ HTTP/ PING/ CMUX/ HTTPS/ FTPS/ SSL/ FILE/ MQTT/ MMS/ SMTP/ SMTPS
USB Serial Driver	Windows 7/8/8.1/10 Linux 2.6–5.12 Android 4.x–11.x
RIL Driver	Android 4.x–11.x
USB RNDIS Driver	Windows 7/8/8.1/10 Linux 2.6–5.12
USB ECM Driver	Linux 2.6–5.12
GNSS Driver	Android 4.x–11.x
Enhanced Features	
DTMF	●
DFOTA	●
Audio Playback/ Audio Recording	●
QuecLocator®	●
QuecFile®	-
VoLTE*	●
(U)SIM Detection	●
Electrical Features	
Supply Voltage Range	3.4–4.5 V, typ. 3.8 V
Power Consumption	15 μ A @ Power off Mode 1.1 mA @ LTE Sleep Mode (PF = 128) 0.9 mA @ LTE Sleep Mode (PF = 256) 12.5 mA @ Idle Mode

Note:

1. ● means supported.
2. * means under development.