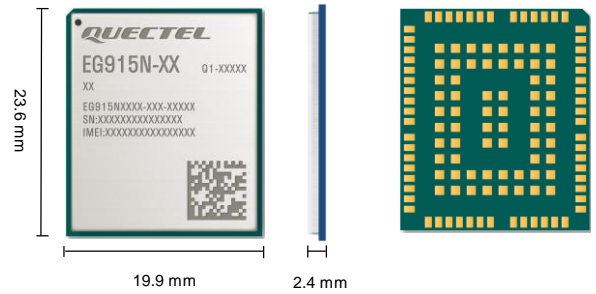




Quectel EG915N-EU

IoT/M2M-optimized LTE Cat 1 Module



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

A rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows7/8/8.1/10, Linux, Android) extend the applicability of the module 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
- ✓ Worldwide LTE, GSM/GPRS/EDGE coverage
- ✓ Support DFOTA
- ✓ Super cost-effective
- ✓ LTE multi-mode module in compact size
- ✓ Support Wi-Fi Scan



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



Compact Size



LGA Package



Embedded Abundant
Protocols



DFOTA



Dual (U)SIM



USB 2.0 High Speed
Interface



VoLTE



Quectel Enhanced
AT Commands



Multi-constellation
GNSS

Version: 1.0 | Status: Released

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 (Optional)	GPS/GLONASS/Galileo/BDS/SBAS/QZSS
Certifications	
Regulatory	Europe: CE* The UK: UKCA* Australia/New Zealand: RCM*
Others	WHQL
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 (Dual SIM Single Standby)
NET_STATUS	× 1
UART	× 3 (main, debug and auxiliary*)
ADC	× 2
RESET_N	× 1
PWRKEY	× 1
I2C	× 1
USB_BOOT	× 1
Analog Audio	Input: × 1 (Microphone) Output: × 1 (Earpiece)
Antenna	× 2 (Main Antenna and GNSS Antenna (Optional))
Voice	
Speech Codec Modes	HR/FR/EFR/AMR/AMR-WB
Echo Arithmetic	Echo Cancellation/Noise Suppression
Audio	Analog Audio/Digital Audio
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 2.6–5.15 Android 4.x–12.x
RIL Driver	Android 4.x–12.x
USB RNDIS Driver	Windows 7/8/8.1/10 Linux 2.6–5.15
USB ECM Driver	Linux 2.6–5.15
GNSS Driver	Android 4.x–12.x
Enhanced Features	
DTMF	●
DFOTA	●
Audio Playback/Audio Recording	●
QuecLocator®	●
Wi-Fi Scan	●
VoLTE	●
(U)SIM Card Detection	●
Electrical Features	
Supply Voltage Range	3.4–4.5 V, typ. 3.8 V
Power Consumption (Typical)	24 µA @ Power off Mode 1.4 mA @ LTE Sleep Mode (PF = 128, USB disconnected) 1.31 mA @ LTE Sleep Mode (PF = 256, USB disconnected) 20.97 mA @ LTE Idle Mode (PF=64, USB disconnected) 30.17 mA @ LTE Idle Mode (PF=64, USB connected)

NOTE:
*: under development.