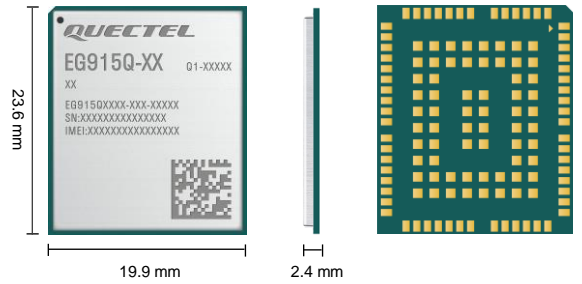


Quectel EG915Q-NA

IoT/M2M-optimized LTE Cat 1 bis Module



Quectel EG915Q-NA is an LTE Cat 1 bis module optimized specially for M2M and IoT applications. Adopting the 3GPP Rel-14 LTE technology, it delivers maximum data rates up to 10 Mbps downlink and 5 Mbps uplink. Designed in a compact and unified form factor, EG915Q-NA is compatible with Quectel LPWA BG95 series/BG96/BC95-G modules and LTE Standard EG91/EG95 series modules.

A rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows7/8/8.1/10/11, Linux, and Android) extend the applicability of the module to a wide range of M2M and IoT applications, such as asset management, commercial telematics, payment, RMAC (Remote Monitoring and Control applications), security and automation, smart metering and smart grid.



Key Features

- ✓ LTE-FDD coverage
- ✓ Supports DFOTA
- ✓ Main antenna and GNSS antenna(Optional)
- ✓ LTE module in compact size
- ✓ Supports Wi-Fi Scan



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



Compact Size



LGA Package



Embedded Abundant
Protocols



DFOTA



Quectel Enhanced
AT Commands



USB 2.0 High Speed
Interface

Quectel EG915Q-NA

LTE Cat 1 bis	EG915Q-NA
Region/Operator	North America
Dimensions (mm)	23.6 × 19.9 × 2.4
Weight (g)	Approx. 2.3
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	B2/4/5/12/13/66/71
GNSS (Optional)	GPS/GLONASS/BDS/Galileo
Certifications	
Carrier	America: Verizon*/AT&T*/T-Mobile*
Regulatory	Global: GCF*
	North America: PTCRB*
	America: FCC*
	Canada: IC*
Others	WHQL
Max. Data Rates	
LTE-FDD (Mbps)	10 (DL)/5 (UL)
Interfaces	
USIM ^①	× 2 (1.8/3.0 V)
UART	× 3 (Main, Debug and GNSS UART ^③)
USB 2.0	× 1
RESET_N	× 1
PWRKEY	× 1
Digital Audio (PCM)*	× 1
I2C	× 1
SPI*	× 1
Camera SPI* ^②	× 1
ADC	× 2
USB_BOOT	× 1
GRFC*	× 2
Antenna	× 2 (Main and GNSS Antennas ^③)
Voice	
Audio*	Digital audio
Software Features	
Protocols	TCP/UDP/NTP/NITZ/FTP/HTTP/PING/HTTPS/FTPS/SSL/MQTT/CMUX/PPP/FILE/MMS*/SMTP*/SMTPS*
USB Serial Driver	Windows 7/8/8.1/10/11
	Linux 2.6–5.18
	Android 4.x–12.x*
RIL Driver	Android 4.x–12.x*
USB RNDIS Driver	Windows 7/8/8.1/10/11
	Linux 2.6–5.18
USB ECM Driver	Linux 2.6–5.18
Enhanced Features	
DFOTA	●
QuecLocator [®]	●
Wi-Fi Scan	●
USIM Card Detection	●
Electrical Features	
Supply Voltage Range	3.3–4.3 V, typ. 3.8 V
Power Consumption (Typ.)	0.4 μA @ Power off Mode
	54 μA @ Sleep Mode (AT+CFUN = 0, USB disconnected)
	130 μA @ Sleep Mode (AT+CFUN = 4, USB disconnected)
	4.55 mA @ Idle Mode (PF = 64, USB disconnected)
	28.22 mA @ Idle Mode (PF = 64, USB connected)

NOTE:

- ①: Both USIM1 and USIM2 interfaces support 1.8 V USIM cards only, when the USIM2 interface is enabled.
- ②: Camera SPI and USIM2 are multiplexing pins, so they cannot be used at the same time.
- ③: GNSS UART and antenna interfaces are optional.
- *: Under development/In progress.
- : Supported.

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