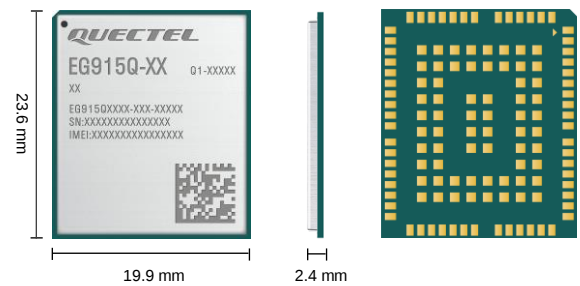


# Quectel EG915Q-NA

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 <sup>①</sup>        | × 2 (1.8/3.0 V)                                                                    |
| UART                     | × 3 (Main, Debug and GNSS UART <sup>③</sup> )                                      |
| USB 2.0                  | × 1                                                                                |
| RESET_N                  | × 1                                                                                |
| PWRKEY                   | × 1                                                                                |
| Digital Audio (PCM)*     | × 1                                                                                |
| I2C                      | × 1                                                                                |
| SPI*                     | × 1                                                                                |
| Camera SPI* <sup>②</sup> | × 1                                                                                |
| ADC                      | × 2                                                                                |
| USB_BOOT                 | × 1                                                                                |
| GRFC*                    | × 2                                                                                |
| Antenna                  | × 2 (Main and GNSS Antennas <sup>③</sup> )                                         |
| 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 <sup>®</sup> | ●                                                                                  |
| 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. ①: Both USIM1 and USIM2 interfaces support 1.8 V USIM cards only, when the USIM2 interface is enabled.  
2. ②: Camera SPI and USIM2 are multiplexing pins, so they cannot be used at the same time.  
3. ③: GNSS UART and antenna interfaces are optional.  
4. \*: Under development/In progress.  
5. ●: Supported.