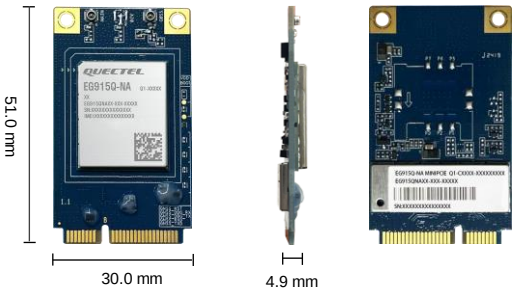




Quectel EG915Q-NA

Mini PCIe

IoT/ M2M-optimized
LTE Cat 1 bis Module



Quectel EG915Q-NA Mini PCIe is an LTE Cat 1 bis module adopting standard PCI Express Mini Card form factor (Mini PCIe). It is optimized specially for M2M and IoT applications, and delivers maximum data rates up to 10 Mbps downlink and 5 Mbps uplink.

With high integration level and a cost-effective SMT form factor, EG915Q-NA Mini PCIe enables integrators and developers to easily design their applications and take advantage from the module's low power consumption and mechanical intensity.

A rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB serial drivers for Windows 8.1/ 10/ 11, Linux, and Android) extend the applicability of the module to a wide range of M2M and IoT applications, such as aftermarket telematics, asset management, commercial telematics, emerging verticals, fixed wireless access (FWA), PDA, smart safety and telehealth.



Key Features

- ✓ Cost-effective, lower-power LTE connectivity optimized for broadband IoT applications
- ✓ Standard PCI Express Mini Card form factor (Mini PCIe) ideal for manufacturers to easily integrate wireless connectivity into their devices
- ✓ Easy migration from Quectel LTE Mini PCIe modules
- ✓ Robust mounting and interfaces
- ✓ GNSS (optional)



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



Mini PCIe Package



Embedded Abundant
Protocols



DFOTA



Quectel Enhanced
AT Commands



USB Drivers



USB 2.0 High Speed
Interface

Quectel EG915Q-NA Mini PCIe

LTE Cat 1 bis	EG915Q-NA Mini PCIe
Region/ Operator	North America
Dimensions (mm)	51.0 × 30.0 × 4.9
Weight (g)	Approx. 7.1
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +80 °C
Frequency Bands	
LTE-FDD	B2/ 4/ 5/ 12/ 13/ 66
GNSS (Optional)	GPS/ GLONASS/ BDS/ Galileo/ QZSS
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 (1.8/ 3.0 V)
UART	× 2 (Main UART, Debug UART)
USB 2.0	× 1
RESET_N	× 1
PCM (Digital Audio)*	× 1
I2C*	× 1
Antenna	× 2 (Main and GNSS antennas ^①)
Software Features	
Protocols	TCP/ UDP/ NTP/ NITZ/ FTP/ HTTP/ PING/ HTTPS/ FTPS/ SSL/ MQTT/ CMUX/ PPP/ FILE/ SMTP/ SMTPS/ MMS*
USB Serial Driver	Windows 8.1/ 10/ 11 Linux 2.6–6.7 Android 4.x–13.x
RIL Driver	Android 4.x–13.x
USB RNDIS Driver	Windows 8.1/ 10/ 11 Linux 2.6–6.7
USB ECM Driver	Linux 2.6–6.7
Enhanced Features	
DFOTA	●
Wi-Fi Scan	●
USIM Card Detection	●
Electrical Features	
Supply Voltage Range	3.0–3.6 V, typ. 3.3 V
Power Consumption (Typ.)	0.93 mA @ LTE-FDD Sleep (AT+CFUN = 0, USB disconnected) 1.045 mA @ LTE-FDD Sleep (AT+CFUN = 4, USB disconnected) 1.83 mA @ LTE-FDD Sleep (PF = 64, USB disconnected) 8.09 mA @ LTE-FDD (PF = 64, USB disconnected) 34.91 mA @ LTE-FDD (PF = 64, USB connected)

- NOTE:
- ①: GNSS antenna is optional.
 - *: Under development.
 - : Supported.