

Fibocom

完美无线体验

LTE Wireless Communication module MC610-EU-02



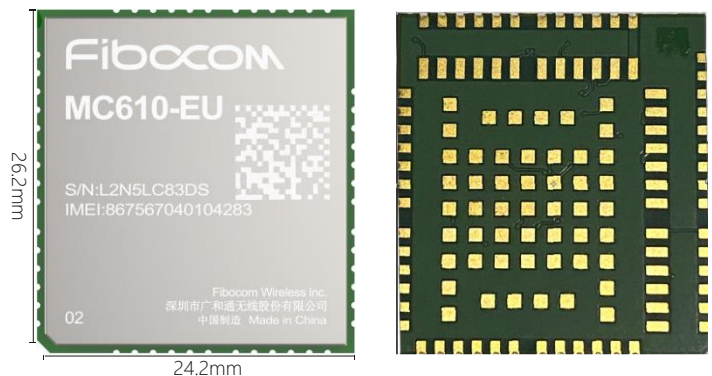
LTE Cat1bis /R13

Compatible design

Built in WiFi Scan & BLE

The MC610-EU-02 is an LTE Cat1 bis wireless communication module. The product supports LTE, GSM dual-mode communication, and also supports VoLTE, Audio, Recording, SMS ,WiFi Scan,BLE and other functions. The PIN package is compatible with MA510 module to meet the requirements of Cat1 and CatM products.

In addition, the module provides universal interfaces such as USB/UART/SPI/I2C to meet various application demands of the IoT industry. The product positioning covers the low and medium rate IoT market, such as universal payment, sharing, industrial interconnection, tracking, vehicle-mounted rear installation and other application scenarios. To provide perfect high-speed experience for customers in the above fields.



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PERFECT WIRELESS EXPERIENCE

LTE Wireless Communication module MC610-EU-02



Basic Features

- LTE FDD: B1/B3/B7/B8/B20/B28
- GSM: 900/1800MHz
- Built in WiFi Scan
- Built in BLE
- LCC+LGA:24.2 x 26.2x 2.1mm
- Operating temperature:-30 °C~+75 °C
- Expansion temperature:-40 °C~+85 °C
- Storage temperature:-40 °C~+90 °C
- Operating Voltage:3.3V~4.3V ,typical 3.8V

- AT Command Set : 3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- TX Power:
 - GSM: 900MHz: 33dBm±2dB
 - 1800MHz: 30dBm±2dB
 - FDD:B1/2/3/4/5/7/8/28/66: 23dBm±2dB
- Rx Sensitivity:
 - GSM 900MHz: -108.5dBm
 - 1800MHz: -108dBm
 - FDD:B3: -98dBm
 - B1/8/28: -98.5dBm
 - B7:-97dBm

Data Transmission

- LTE FDD Rel.13 : 10Mbps DL/5Mbps UL
- GPRS :85.6kbps DL/85.6kbps UL(multi-slot class 12)

Features

- SMS:MO/MT Text and PDU modes
- HTTP(S)/FTP (S)/UDP/IPV4/IPV6/MQTT/TLS/ping
- ECM/RNDIS/PPP
- DFOTA/FOAT
- VoLTE/SMS/TTS/Audio/Recording/NITZ/NTP/SSL/WiFi Scan/BLE

Interfaces

- Antenna: Main x 1,WIFI/BT x1
- USIM : 3.0V/1.8V
- USB 2.0 x1
- UART x3
- I2C
- SPI
- System status indication
- ADC x 4
- HP
- HEAMIC
- MIC/SPK
- KEY

OS Drivers

- Linux/ Windows/Android

Certifications

- RoHS/CE*

*= Planning **= Development