Fibocom
完 美 无 线 体 验

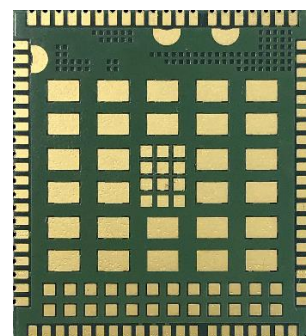# LTE Wireless Communication module L610-EU-01

LTE Cat1bis /R13

Compatible design

The L610-EU-01 is a LTE Cat1 bis wireless communication module. The product supports LTE, GSM dual-mode communication, while supporting Volte, Audio, Camera, LCD, Keypad and other functions.

In addition, the module provides universal interfaces such as USB/UART/SPI/I2C/SDIO to meet various application demands of IoT industry. L610-EU covers major operators in Europe, and L610-CN and L610-LA in the same package range cover major operators in Asia and Latin America respectively. L610 series products adopt LCC+LGA package, PIN design is compatible with NL668 series /L716 series, convenient for customers to switch with minimum cost. 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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L610-EU

S/N:L615KWCTD6
IMEI:862819040167827

Fibocom Wireless Inc.
深圳市广和通无线股份有限公司
中国制造 Made in China
● 01

31mm

28mm

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PERFECT WIRELESS EXPERIENCE

LTE Wireless Communication module L610-EU-01

Basic Features

- LTE FDD: B1/B3/B7/B8/B20
- GSM: 900/1800MHz
- built in WiFi Scan
- built in BLE
- LCC+LGA:31 x 28x 2.35mm
- Operating temperature:-30 ℃~+75 ℃
- Expansion temperature:-40 ℃~+85 ℃
- Storage temperature:-40 ℃~+90 ℃
- Operating Voltage:3.3V~4.3V ,typical 3.8v

- ATCommand Set ：3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- TX Power:
GSM: 900MHz: 33dBm±2dB 1800MHz:30dBm±2dB
FDD:B1/3/7/8/20/28: 23dBm±2dB
- Rx Sensitivity:
GSM 900MHz: -109.5dBm1800MHz: -108dBm
FDD:B1/3/20: -98dBm
B7: -96.5dBm
B8: -98.5dBm

Data Transmission

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

Features

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

Interfaces

- Antenna: iMain x 1,WIFI x 1
- USIM : 3.0V/1.8V
- USB 2.0 x1
- UART(standard x3,Open x4)
- I2C
- I2S

- System status indication
- ADC x 3
- SDIO x 2
- SPI
- PWM
- MIC/SPK

OS Drivers

- Linux/ Windows/Android

Certifications

- CE/GCF/RoHS/NCC

*= Planning **= Development

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