

LTE Wireless Communication module L610-CN



LTE Cat1bis /R13

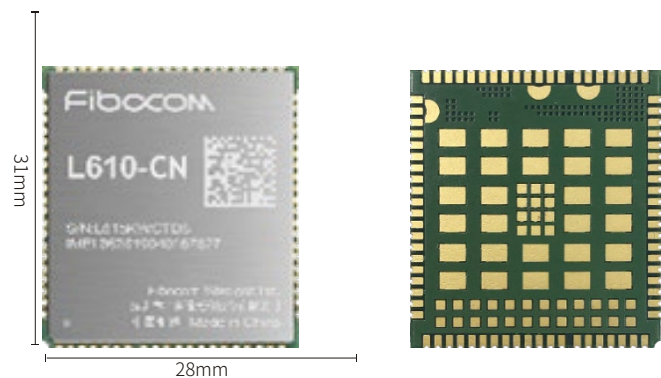
Built in WIFI Scan

Built in BT

Compatible design

L610-CN is a LTE Cat1bis wireless communication module. The product supports LTE, GSM dual-mode communication, volte, audio, camera, LCD, keypad and other functions. Some models support WiFi scan or Bluetooth.

In addition, the module provides universal interfaces such as USB / UART / SPI / I2C / SDIO to meet various application demands of IOT industry. L610-CN covers the frequency bands of major operators in Asia, and L610-EU and L610-LA of the same series cover the frequency bands of major operators in Europe and Latin America respectively. L610 series products are packaged with LCC + LGA, and Pin pin design is compatible with NL668 series / L716 series, which is convenient for customers to switch at minimum cost. The product positioning covers the Internet of things market with medium and low rates, such as pan payment, sharing, industrial interconnection, tracking, vehicle afterloading and other application scenarios. Provide perfect high-speed experience for customers in the above fields.



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Basic Features

- LTE FDD: Band 1/3/5/8
- LTE TDD: Band 34/39/40/41
- GSM: 900/1800MHz
- built in WIFI Scan*
- built in bluetooth*
- supporting GPS*
- LCC+LGA:31 x 28x 2.35mm
- 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 FIBOCOMAT commands
- TX Power:
 - GSM: 900MHz: 33dBm ± 2dB
 - 1800MHz: 30dBm ± 2dB
 - FDD:B1/3/5/8: 23dBm ± 2dB
 - TDD:B34/39/40/41: 23dBm ± 2dB
- Rx Sensitivity:
 - GSM 900MHz: -109.5dBm
 - 1800MHz: -108dBm
 - FDD:B1/3: -98dBm
 - B5/8: -98.5dBm
 - TDD:B34/B39: -98.0dBm
 - B40/41: -99.0dBm

Data Transmission

- LTE FDD Rel.13 : 10Mbps DL/5Mbps UL
- LTE TDD Rel.13 : 8.2Mbps DL/3.4Mbps 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*)/FTP(S)/UDP/IPV4/IPV6/MQTT
- ECM/RNDIS/PPP
- DFOTA/FOTA
- VoLTE/TTS/Recording/FFS/NITZ/NTP/SSL

Interfaces

- Antenna: Main 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*2
- SPI
- PWM
- MIC/SPK

OS Drivers

- Linux/Windows/Android

Certifications

- RoHS/SRRC/CCC/NAL
- CTCC/CMCC*/CUCC*

Note: * = Planning ** = Developing

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