

# L610-EU MiniPCle LTE Module



LTE Cat1bis /R13

miniPCle package

L610-EU MiniPCle is a LTE Cat1bis wireless communication module, MiniPCle package. The product supports FDD band and GSM 900 / 1800MHz, with the size of 50.8 × 29.85 × 3.4 mm.

L610-EU MiniPCle is oriented to the frequency bands of major operators in Europe, and L610-CN MiniPCle and L610-LA MiniPCle of the same series are aimed at the frequency bands of major operators in Asia and Latin America. 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.



# L610-EU MiniPCIe LTE Module



## Basic Features

- LTE FDD: B1/B3/B7/B8/B20/B28\*
- GSM: 900/1800MHz
- MiniPCIe: 50.8× 29.85× 3.4 mm
- 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: B1/3/7/8/20/28: 23dBm±2dB
- Rx Sensitivity:
  - GSM 900MHz: -109.5dBm
  - 1800MHz: -108dBm
- FDD: B1/3/20: -98dBm
  - B7: -97.5dBm
  - B8/28: -98.5dBm

## 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: 1 Main
- USIM : 1.8V/3.0V
- USB 2.0
- System status indication

## OS Drivers

- Linux/ Windows/Android

## Certifications

- CE\*/GCF\*/RoHS

Note: \* = Planning \*\* = Developing