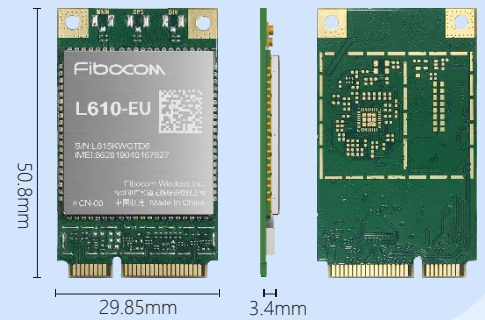# Fibocom L610-EU MiniPCIe

LTE Cat1 bis Wireless Communication
Module Specially Designed for IoT Applications.

Key Benefits

- Support multiple network frequency bands and rich
  Internet protocols
- Rich extension of interfaces allowing much flexibility and ease of integration for customer's applications.
- Provide IoT industry reference design and timely technical support to help customers quickly complete product development.
- High performance LTE Cat1 bis IoT module with ultra-high cost performance

50.8mm
29.85mm   3.4mm

3GPP Release 13

LTE LTE Cat1 bis

M MiniPCIe package

Compatible design

WiFi-Scan

AT Fibocom enhanced AT commands

BLE

L610-EU MiniPCIe is a LTE Cat1 bis wireless communication module adopting MiniPCIe form factor, with the size of 50.8mm * 29.85mm * 3.4 mm. The module supports LTE network and GSM fallback, perfectly suitable for low and mid-speed IoT scenarios, such as smart payment, sharing economy, industrial IoT, asset tracking, automotive aftermarket, etc., providing customers with reliable connectivity and robust security.

Fibocom' s L610-EU MiniPCIe module support various functions, such as VoLTE, Audio, Camera, LCD, Keypad, BLE, WiFi-Scan, as well as rich interfaces, enabling much flexibility and ease of integration to meet various application demands of the IoT industry.

The module has three regional version, with L610-EU MiniPCIe covers the frequency bands of major operators in Europe, L610-CN MiniPCIe for Asia and L610-LA MiniPCIe for Latin America respectively.
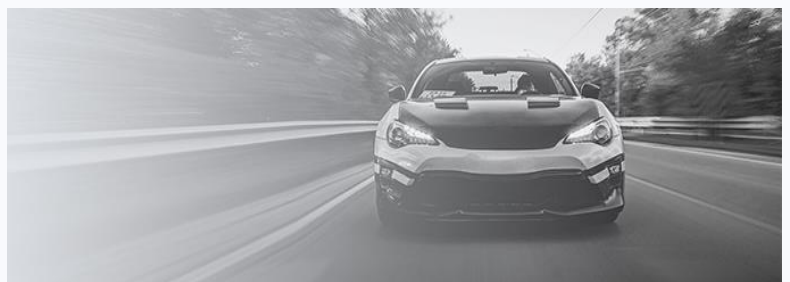
Fibocom

LTE Cat 1	L610-EU-00-MiniPCIe-10	L610-EU-01-MiniPCIe-10
Region	Europe	Europe
Basic Features		
Package	MiniPCIe	MiniPCIe
Dimension (mm)	50.8×29.85×3.4	50.8×29.85×3.4
LTE FDD	B1/B3/B7/B8/B20/B28	B1/B3/B7/B8/B20
LTE TDD	NA	NA
GSM/GPRS/EDGE	900/1800MHz	900/1800MHz
Power Supply	3.4V - 4.3V (Typical 3.8V)	3.4V - 4.3V (Typical 3.8V)
Operating Temp.	-30°C - +75°C	-30°C - +75°C
Data Transmission		
LTE FDD (Mbps)	10.3(DL)/5.1(UL)	10.3(DL)/5.1(UL)
LTE TDD (Mbps)	NA	NA
GPRS(Kbps)	85.6 (DL)/85.6 (UL)	85.6 (DL)/85.6 (UL)
Functions		
WiFi-Scan	●	●
BLE	●	●
OpenCPU	NA	NA
FOTA	DFOTA	DFOTA
OS Drivers	Linux/Windows/Android	Linux/Windows/Android
GNSS	NA	NA
TTS	●	●
SMS	●	●
Audio	●	●
Protocols	TCP/UDP(S)/HTTP(S)/FTP(S)/IPV4/IPV6/SSL/MQTT/NTP	TCP/UDP(S)/HTTP(S)/FTP(S)/IPV4/IPV6/SSL/MQTT/NTP
Interfaces		
SIM	x1, 1.8V/3.0V	x1, 1.8V/3.0V
USB	x1, USB2.0	x1, USB2.0
PCIe	●	●
Certification		
Regulation	RoHS/CE/NCC	RoHS/CE/NCC
Operator	TEF/DT/VDF	TEF/DT/VDF
Industry	GCF	GCF

* = planning /under development   ● = support