

Fibocom MC610-EU

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



Release 13



LTE Cat1 bis



LCC+LGA package



Compatible design



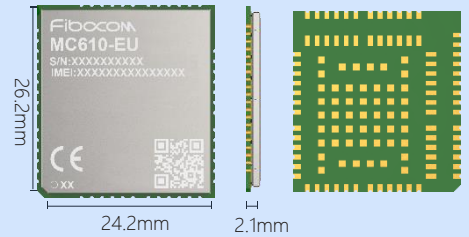
Fibocom Enhanced AT Commands



BLE

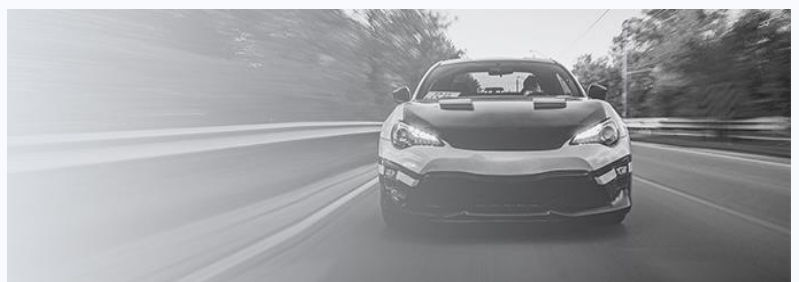


WiFi-Scan



MC610-EU is a LTE Cat1 bis wireless communication module adopting LCC+LGA form factor, with the size of 24.2mm*26.2mm*2.1mm. It is pin-to-pin compatible with Fibocom's Cat M module MA510, which is convenient for customers to migrate between different technologies at the lowest cost. 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.

The Fibocom MC610-EU module support various functions (BLE, WiFi-Scan, etc.), as well as a rich extension of interfaces (USB, UART, SPI, I2C, etc.), enabling much flexibility and ease of integration to meet various application demands of the IoT industry. The module covers the frequency band of major operators in Europe.



LTE Cat 1	MC610-EU-02	MC610-EU-03
Region	Europe	Europe
Basic Features		
Package	LCC+LGA	LCC+LGA
Dimension (mm)	24.2×26.2×2.1	24.2×26.2×2.1
LTE FDD	B1/3/7/8/20/28	B1/3/7/8/20/28
LTE TDD	NA	B38/40/41
WCDMA	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	9.1(DL)/3.1(DL)
GPRS(Kbps)	85.6 (DL)/85.6 (UL)	85.6 (DL)/85.6 (UL)
Functions		
WiFi-Scan	●	NA
BLE	●	NA
OpenCPU	NA	NA
FOTA	DFOTA	DFOTA
OS Drivers	Linux/Windows/Android	Linux/Windows/Android
GNSS	NA	NA
TTS	●	●
SMS	●	●
Audio	●	●
Protocols	TCP(S)/UDP/IPV4/IPV6/HTTP(S)/FTP(S)/NTP/N ITZ/MQTT/SSL/TLS/Ping	TCP(S)/UDP/IPV4/IPV6/HTTP(S)/FTP(S)/NTP/N ITZ/MQTT/SSL/TLS/Ping
Interfaces		
SIM	x1, 1.8V/3.0V	x1, 1.8V/3.0V
USB	x1, USB2.0	x1, USB2.0
UART	x3	x3
ADC	x4	x4
SDIO	●	●
GPIO	●	●
SPI	●	●
I2C	●	●
Certification		
Regulation	RoHS/CE/Reach	RoHS/CE/Reach
Operator	NA	NA
Industry	NA	NA

* = planning /under development ● = support

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