Fibocom MC610-EU

LTE Cat 1 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



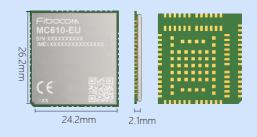
Fibocom Enhanced AT Commands



BLE

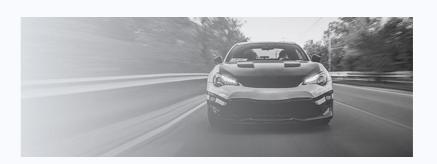


WiFi-Scan



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.





Basic Features LCC+LGA L Dimension (mm) 24.2×26.2×2.1 2 LTE FDD B1/3/7/8/20/28 B LTE TDD NA B WCDMA NA N GSM/GPRS/EDGE 900/1800MHz 9 Power Supply 3.4V - 4.3V (Typical 3.8V) 3 Operating Temp -30°C - +75°C -3 LTE FDD (Mbps) 10.3(DL)/5.1(UL) 10 LTE TDD (Mbps) NA 9 GPRS(Kbps) 85.6 (DL)/85.6 (UL) 8 Functions NA N WiFi-Scan • N BLE • N OpenCPU NA N FOTA DFOTA D OS Drivers Linux/Windows/Android L SMS • • Audio • TCP(S)/UDP/IPV4/IPV6/HTTP(S)/FTP(S)/NTP/N T	CC+LGA 24.2×26.2×2.1 31/3/7/8/20/28 338/40/41 NA 2000/1800MHz 3.4V - 4.3V (Typical 3.8V) 30°C - +75°C 0.3(DL)/5.1(UL) 2.1(DL)/3.1(DL) NA NA NA NA NA
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ITZ/MQTT/SSL/TLS/Ping IT	,
Interfaces	CP(S)/UDP/IPV4/IPV6/HTTP(S)/FTP(S)/NTP/N TZ/MQTT/SSL/TLS/Ping
SIM x1, 1.8V/3.0V x	.1, 1.8V/3.0V
USB x1, USB2.0 x	1, USB2.0
UART x3 x.	3
ADC x4 x	4
SDIO •	•
GPIO •	•
SPI •	•
12C • •	
Certification	
Regulation RoHS/CE/Reach R	RoHS/CE/Reach
	NA
	NA

^{* =} planning /under development \bullet = support



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