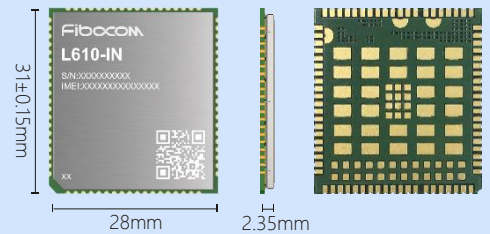


Fibocom L610-IN

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

L610-IN is a LTE Cat1 bis wireless communication module adopting LCC+LGA form factor, with the size of 31mm*28mm*2.35mm. It is pin-to-pin compatible with Fibocom's LTE Cat 4 module NL668/ L716, 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.



LTE Cat1 bis

Fibocom's L610-IN module support various functions (VoLTE, Audio, Camera, LCD, Keypad, etc.) as well as a rich extension of interfaces (USB/ UART/ SPI/ I2C/ SDIO, etc.), enabling much flexibility and ease of integration to meet various application demands of the IoT industry.



LCC+LGA package

The module has four regional version, with L610-IN covering the frequency bands of major operators in Asia, L610-CN for China and L610-EU for Europe and L610-LA for Latin America respectively. Some of the models support WiFi-Scan and BLE.



Compatible design



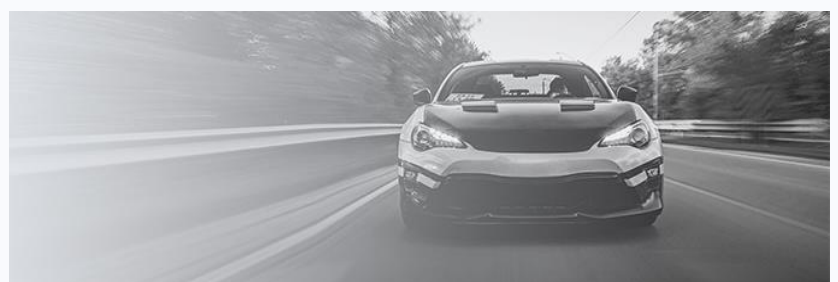
Fibocom Enhanced AT Commands



WiFi-Scan (Optional)



BLE (Optional)



LTE Cat 1	L610-IN-66
Region	India
Basic Features	
Package	LCC+LGA
Dimension (mm)	28x31x2.35
LTE FDD	B1/3/5/8
LTE TDD	B34/38/39/40/41
GSM/GPRS/EDGE	900/1800MHz
Power Supply	3.4V - 4.3V (Typical 3.8V)
Operating Temp	-30°C - +75°C
Data Transmission	
LTE FDD (Mbps)	10.3(DL)/5.1(UL)
LTE TDD (Mbps)	9.1Mbps DL/3.1Mbps UL
GPRS(Kbps)	85.6 (DL)/85.6 (UL)
Functions	
WiFi-Scan	NA
BLE	NA
OpenCPU	●
FOTA	DFOTA
OS Drivers	Linux/Windows/Android
GNSS	NA
TTS	optional
SMS	●
Audio	●
Protocols	TCP/UDP(S)/HTTP(S)/FTP(S)/IPV4/IPV6/SSL/MQTT/NTP
Interfaces	
SIM	x2, 1.8V/3.0V
USB	x1, USB2.0
UART	x3(Standard Edition) x4(Open Edition)
SPI	●
ADC	x3
GPIO	●
SDIO	x2
I2C	●
I2S	●
Certification	
Regulation	RoHS
Operator	NA
Industry	NA

* = planning /under development ● = support

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