




# Fibocom N510-GL NB-IoT Module User Manual

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**Fibocom N510-GL NB-IoT Module**



## Support Release 14

### Low power consumption

- LCC: 22.2×20.2×2.1mm
- Rich network protocol

N510-GL is a high-performance IoT module product, tailor-made for the global IoT market, and is packaged in LCC+LGA. Compatible with Fibocom 510 series module, easy for future upgrading. Support global frequency band, global certification, integrate multiple network protocols, support eDRX, PSM low power consumption mode, especially suitable for IoT industry applications with low power consumption and ultra-small size as core requirements, such as smart meter, smart home, smart Parking, wearable devices, asset tracking, smart cities, etc.



### Basic Features

- Cat NB2:B1/2/3/4/5/8/12/13/17/18/19/20/25/26/28/66/71/85
- LCC+LGA 22.2×20.2×2.1mm
- Operating temperature:-40 °C~+85 °C
- Storage temperature:-40 °C~+90 °C
- Operating Voltage:3.3V~5.0V
- AT Command Set: 3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- TX Power: 23dBm±1dB

## **Data Transmission**

### **NB1**

- Multi-tone: 62.5Kbps (UL)/ 26.15Kbps (DL)
- Single-tone: 15.6Kbps (UL)

### **NB2**

- Multi-tone: 158.5Kbps (UL)/ 126.8Kbps (DL)
- Single-tone: 18.1Kbps (UL)

## **Features**

- TCP/UDP/HTTP(S)/LwM2M/MQTT/SSL/TLS/IPV4/IPV6/NTP/

### **NITZ/Cell ID/LBS\***

- DFOTA
- 2.7uA @PSM
- 180uA @eDRX
- 2.1mA @DRX

## **Interfaces**

- UART
- USIM 1.8V/3V
- System Indicator
- Antenna
- ADC
- GPIO
- I2C
- SPI

## **OS Drivers**


- Linux/Windows

## **Certifications**

- CE/ NCC/ FCC/ RoHS/HF/
- PTCRB/GCF/VDF\*/DT/Verizon\*/TMO

**Note:** Planning Developing

## Documents / Resources

	<p><a href="#">Fibocom N510-GL NB-IoT Module</a> [pdf] User Manual N510-GL, NB-IoT Module, N510-GL NB-IoT Module</p>
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## References

-  [Alcom electronics | Home](#)
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