Fibocom
PERFECT WIRELESS EXPERIENCE

NB-IoT Module
N510-GL

Support Release 14

Low power consumption

LCC: 22.2x20.2x2.1mm

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.

Fibocom
N510-GL
S/N: N1A3GY0004
IMEI: 863578030000542

● Marketing Sample

22mm

20.2mm

NB-IoT Module
N510-GL

Basic Features

- Cat NB2:B1/2/3/4/5/8/12/13/17/18/19/20/25/26/28/66/71/85
- LCC+LGA 22.2x20.2x2.1mm
- Operating temperature:-40 ℃~+85 ℃
- Storage temperature:-40 ℃~+90 ℃
- 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

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