

NB007

NB-IoT/LTE-M Analyzer



Overview

Hongdian NB007 NB-IoT/LTE-M Analyzer is a hand-held easy-to-carry product supporting NB-IoT/LTE-M signal network quality analysis. By analyzing various indicators of signal quality to determine the strength and stability of the signal, NB007 guides users to quickly select the best installation location and the best network operator for installation of terminals. It can be widely used in multiple industries like power supply, water supply, gas supply, environmental protection monitoring, water conservancy, meteorology, heat pipe network, coal mine, oil field, etc.

Features

- Intuitive curves diagram indication
- Support report with photo & location
- Report export to third-party software
- Support enclosed environment test
- Android & iOS APP supported
- 3 SIM cards supported
- 20 hours continuous battery life
- Bluetooth 5.0 wireless transmission
- IP64 dust and water proof design

Users

- Site terminal installation engineering personnel
- Site maintenance personnel
- Technical support personnel of after-sales department

Diagram Scheme



Typical Applications



Bike-sharing station deployment

A NB-IoT/LTE-M business like Bike-sharing station, an investigation for the local NB-IoT/LTE-M network coverage must be taken before deployment. NB007 analyzer can help you to make sure every corner can establish a stable and reliable NB-IoT/LTE-M connection.



Cabinet deployment

In some situation, NB devices such as water meters need to be deployed in a box, and the signal strength will descend tremendously from the inside. But with NB007, we can still find a best installation method for the meter by pre-testing the signal coverage in the box.

Basement installation

Even if the NB-IoT/LTE-M network coverage is superb in the area, some places like basement is still an abyss for wireless based applications. So to decide whether that basement is suitable for installing a NB-IoT/LTE-M device such as smart gas meter, bringing a NB007 for a test is the best choice.

Specification (* Indicates future edition supported)

Network

Available cellular network	Cat NB1&NB2, Cat M1	Band	Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
Max. Power	23dBm	Bandwidth	Cat M1: Max. 375Kbps (DL), Max. 375Kbps (UL) Cat NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) Cat NB2: Max. 127Kbps (DL), Max. 158.5Kbps (UL)

Quality Analyze

Waveform	RSRP, SINR waveform	Latency test	ICMP PING test
Realtime readout	RSRP,SINR,RSRQ,RSSI,CSQ	Network readout	MCC/MNC,Band,Cell ID,PCI,EARFCN,IMSI,ICCID

Report Support timestamp, longitude and latitude, PCI, EARFCN, RSRP, SINR, RSRQ, RSSI, Cell ID, TX Power,map,photo;
Test reports can be export to other softwares, such as Skype, Gmail, Google Chrome, OneDrive, and so on.

Others

Language	English	Mobile phone System Adaptive	Android 5.0 or above, iOS 8.0 or above
Upgrade	Via Bluetooth	Reset	Pinhole reset button

Indicators

LED Indicators System, Signal, Bluetooth, Battery

Interface

Power socket	1×USB Type-C interface	Antenna	Embedded inside
SIM Card Slot	3×NanoSIM card slot, 1.8V/3.3V	Input impedance	50ohm

Battery

Power charger	Input 5V, 1 amp, USB Type-C	Continuous Working time	20 hours
Charging time	4 hours	Battery Capacity	3.7V@2600mAh Li-ion1865, rechargeable
Power consumption	Idle:50mA@4.0V DC Working:110mA~1800mA@4.0V DC		

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Mechanical			
Dimension (mm)	126×64×24.2 (with rubber: 139.4×70×27.7)	Weight	128g [with rubber shell and sling: 180g]
Housing	ABS engineering plastics and rubber shell	IP Level	IP64
Cooling	Fan less		
Environment			
Relative Humidity	<95% (Non-condensing)	Storage	-30°C~+75°C
Working	-20°C~+55°C		

Appearance

FRONT



BACK

