

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

Specification (* Indicates future edition supported)

| | | | |
|--------------------------|---|-----------------|--|
| 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

