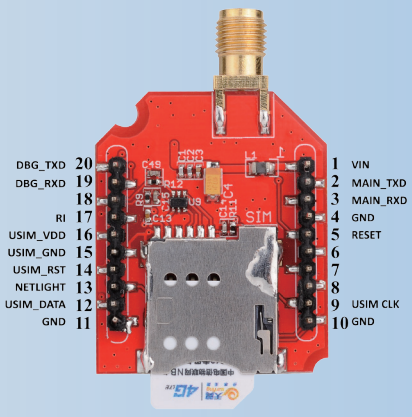
NB-IoT Module in Bee form factory

NB-IoT Bee



OVERVIEW:

NarrowBand-Internet of Things (NB-IoT) is a standards-based low power wide area (LPWA) technology developed to enable a wide range of new IoT devices and services. NB-IoT significantly improves the power consumption of user devices, system capacity and spectrum efficiency, especially in deep coverage. Battery life of more than 10 years can be supported for a wide range of use cases.

New physical layer signals and channels are designed to meet the demanding requirement of extended coverage – rural and deep indoors – and ultra-low device complexity. Initial cost of the NB-IoT modules is expected to be comparable to GSM/GPRS. The underlying technology is however much simpler than today's GSM/GPRS and its cost is expected to decrease rapidly as demand increases.

NB-IoT Bee is the core module for NB-IoT Shield, With NB-IoT Shield and Arduino, user can study/evaluate and do POC for NB-IoT solution rapidly.

Order Option:

·**NB-IoT Bee-QB05:** load with Quectel BC95-B5, apply to B5:850Mhz

·**NB-IoT Bee-QB08:** NB-IoT Bee-QB08: load with Quectel BC95-B8, apply to B8:900Mhz

·**NB-IoT Bee-QB20:** load with Quectel BC95-B20, apply to B20:800Mhz

·**NB-IoT Bee-QG96:** load with Quectel BG96, Support LTE Cat M1 & Cat NB1 & EGPRS, mutli-bands module.

Features:

·Support different NB-IoT Bands, can use world widely
·Low power consumption
·Wide area coverage
·AT command to control

Specifications:

·Output Power: 23dBm
·Sensitivity: -129dBm
·Operation Temperature: -40℃ ~ +85℃
·Input Vcc: 4.5v ~ 5.5v
·Micro SIM Interface

Applications:

·Smart metering (electricity, gas and water)
·Facility management services
·Intruder and fire alarms for homes & commercial properties
·Connected personal appliances measuring health parameters
·Tracking of persons, animals or objects
·Smart city infrastructure such as street lamps or dustbins
·Connected industrial appliances such as welding machines or air compressors

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