

NB-IoT Module

COM-NB-9001

Product Description

Narrowband IoT (NB-IoT) is a new way of communicating with “things” that require small amounts of data, over long periods, in hard to reach places. COM-NB-9001 is a high-performance NB-IoT module with extremely low power consumption. It is a perfect choice for size sensitive applications. Designed to be compatible with mobile operator’s network.

- very low power consumption
- excellent extended range in buildings and underground
- easy deployment into existing cellular network architecture
- network security & reliability
- low component cost

Applications:

- Smart Metering
- Smart Cities
- Smart Buildings
- Consumers
- Agricultural and Environmental



Technical Specification

| | |
|-----------------------|--|
| Frequency Band | 900Mhz |
| Pin Number | 20 |
| Supply Voltage | 3.1V to 4.2V Typical:3.8V |
| Operation Temperature | -40°C to +85° C |
| Dimension | 22*26.3*2.5mm |
| weight | 12g |
| AT Command | 3GPP Rel-13 and enhanced AT commands |
| Download Method | UART |
| SMS | Point to Point MO and MT/Text/PDU Mode |
| Data transmission | 100bps<bitrate<100kbps |
| Protocol | NB-IoT protocols |
| Output Power | 23dbm |
| Sensitivity | -129dbm |