

MONITOR PREMISES AND ASSETS 24/7

SEN2MBT1 BLE TO NB-IOT GATEWAY



Product Features

- SEN2M6BT1 BLE to NB-IoT Gateway provides a simply efficient solution for bridging BLE devices to NB-IoT network
- Support BLE 5.0 long range
- Support up to 20 BLE devices
- Integrated with a rechargeable backup battery which able to maintain 4 weeks lifetime when DC power accidentally disconnected
- Support open API
- Application: Connect BLE devices to server via NB-IoT network

Performance Characteristics

Power	DC input voltage: 8 – 14V , 1A max
Stand-by Current	<30uA @3.6V
Bluetooth On-air data rate Transmit Power Sensitivity	Bluetooth 5, Long Range Bluetooth 5: 2Mbps / 1Mbps / 500Kbps / 125Kbps -20 dBm to 8 dBm -96 dBm
Data Upload Interval	Default every hour (configurable)
Alert Conditions	Yes when change of status detected, message to server
Backup Battery	Li-ion battery, >400mAh
Backup Battery Lifetime	Up to 4 weeks*

* Conditions: heartbeat once per hour

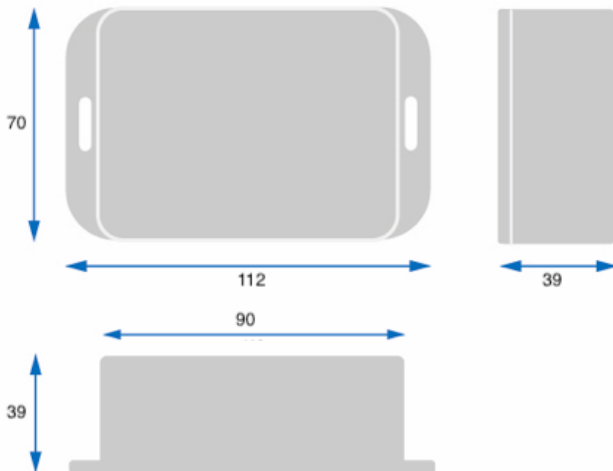
Wireless Characteristics

Wireless Connectivity	LTE Cat NB1 (NB IoT)
NB IoT Protocol	3GPP Release 13
Operating Band	1, 3, 5, 8, 20
Uplink Rate	16.7kbps (Single Tone), 62.5kbps (Multi-Tone)
Downlink Rate	25.5kbps (Single Tone), 25.5kbps (Multi-Tone)
Transmit Power	23 dBm +/- 2dB
Sensitivity	-116 dBm
Antenna Type	Build-in Antenna (External Antenna – Optional)

Physical Characteristics

Dimension	L 112mm x W 70mm x H 39mm
Weight	approx. 120g
Operating Temperature	-10 to 65°C
Storage Temperature	-20 to 80°C
Storage Humidity Range	<95% RH
Warranty Period	1 Year

Mechanical Dimension



Ordering partnumber

SENS08 BLE to NB-IoT Gateway, with backup battery	SEN2MBT1-0000-0000
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