

BATTERY POWERED WIRELESS IOT SOLUTIONS MONITOR PREMISES AND ASSETS 24/7

SEN20200 series NB-IOT TEMPERATURE SENSOR



Product Features

- SEN20200 NB-IOT Sensor provides a simply efficient solution for Temperature monitoring.
- Support PT100 temperature probe, range from -100°C to 300°C
- Support LTE Cat NB1
- Up to 3 years battery lifetime
- Easy installation without any complex and pricey set up cost
- Support open API
- Application: Cold Room, Refrigerator, Medical laboratory, Hotel, Hospital, Factory

Performance Characteristics

Power	1x 3.6V C Size Battery
Stand-by Current	<30uA @3.6V
Temperature range PT100	-100°C to 300°C, depends on application and material of the probe
Data Upload Interval	Default every hour (configurable)
Alert Notification	Yes, message to server
Battery Lifetime	Up to 3 years*

* Conditions: measurement period at every 15min and upload data once per hour

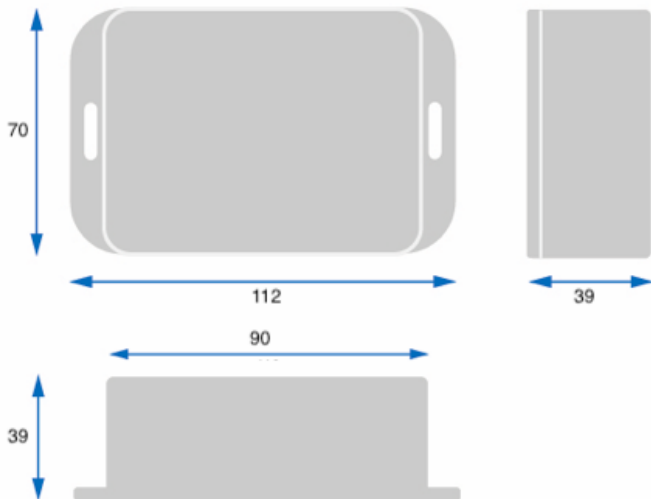
Wireless Characteristics

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	166g
Operating Temperature	-20 to 70°C
Storage Temperature	-20 to 80°C
Storage Humidity Range	<95% RH
Ingress Protection	IP65
Warranty Period	1 Year

Mechanical Dimension:



Ordering partnumber

SENSO8 NB-IoT Temperature Sensor -30 to 100°C	SEN20200-TP0A
SENSO8 NB-IoT Temperature Sensor -70 to 230°C	SEN20200-TP0B