



BATTERY POWERED WIRELESS IOT SOLUTIONS

MONITOR PREMISES AND ASSETS 24/7

SEN21LD0 NB-IoT OCCUPANCY SENSOR



Product Features

- SEN21LD0 NB-IoT occupancy Sensor provides a simply efficient solution to detect the occupancy in a specified area and distance.
- Long Distance measurement range: up to 400cm
- Fast response
- Up to 2.5 years battery lifetime
- Easy installation without any complex and pricey set up cost
- Application: Smart Toilet, Office, Warehouse, Supermarket, etc.

Performance Characteristics

Power	1 x 3.6V C Size Battery
Stand-by Current	<25uA @3.6V
Sensor Emitter	940nm invisible laser (Class 1)
Detectable Distance	Up to 400cm
Typical full field of view (FOV)	27 degree
Data Upload Interval	Default every 1 hour (configurable)
Alert Conditions	Yes, message to server
Battery Life	Up to 2.5 years *

* Conditions: measurement interval at 15min, upload data at every 1 hour

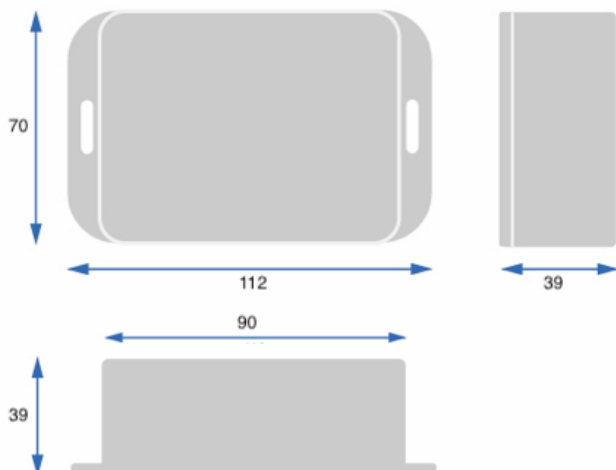
Wireless Characteristics

Wireless Connectivity	LTE Cat NB2 (NB-IoT)
NB-IoT Protocol	3GPP Release 14
Operating Band	3, 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	Built-in Antenna (External Antenna – Optional)

Physical Characteristics

Dimension	L 112mm x W 70mm x H 39mm
Weight	116g
Operating Temperature	-20 to 70°C
Storage Temperature	-20 to 80°C
Storage Humidity Range	<95% RH
Warranty Period	1 Year

Mechanical Dimension



Ordering partnumber

SENSO8 NB-IoT Occupancy Sensor	SEN21LD0-0000-0000
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