

# NILE Sensor CC

## BT 5.4 Long Range

### Description

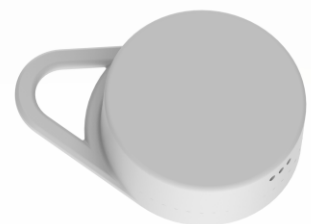
NILE Sensor CC is a secure, Coin cell powered, highly integrated multi-sensor sensor platform. It supports long-range BT 5.4 to reduce total deployment cost and reliable sensor and sensor data transfer. NILE Sensor is powered by Ivativ's certified NILE module which is based on Nordic Semiconductor's nrf52840 SoC. It comes with selectable sensor options like Temperature, Humidity, Pressure, Accelerometer and VOC gases. This ultra-low power Sensor can provide multi-year life on a CR2032 replaceable coin cell battery. NILE Sensor comes with an optional case that enables multiple package options like Table-Top, Tear-Drop and Screw-Mount giving user complete deployment flexibility.



**Size: 32.96mm x 24.1mm x 6.84mm**

### Features

- ❖ Long Range BLE Sensor
- ❖ Supports BT 5.4
- ❖ Over the Air Firmware upgrade
- ❖ BLE module is FCC, IC, CE certified
- ❖ Multi-Sensor platform: Selectable sensors  
Temperature/Humidity/Pressure/Accelerometer/VOC
- ❖ Integrated PCB antenna
- ❖ Replaceable cr2032 battery
- ❖ Customization support for electronics and plastics



### Applications

- ❖ Indoor Navigation
- ❖ Asset tracking
- ❖ Location based services in Health, Travel, Retail, Food, Education, Entertainment, Retail and Real estate
- ❖ Access control
- ❖ Connected health
- ❖ Virtual/Augmented reality applications
- ❖ Indoor air quality
- ❖ Fall detection, Emergency SoS
- ❖ Predictive maintenance

Wireless Technology	Bluetooth 5.4
Frequency band	2.402 to 2.480GHz
Range	Up to 500m (in long range mode)
Sensor rating (optional)	Temperature: -40C to 85 Humidity: 10 to 100 rH (accuracy +/- 3% rH) Pressure: 300 to 1100 hPa (absolute accuracy +/- 1 hPa at 0 to 65C) VOC: Indoor air quality (IAQ) index 0 to 500
Antenna options	Integrated PCB antenna
Mounting options	Screw, lanyard, Zip tie, double sided tape
Case (optional)	IP67
Power supply	Cr2032 replaceable battery
Operating Temperature	-30 to 60C (due to coin cell limitation) Storage: -40 to 85C
Size (electronics) in mm (L x W x H)	32.96 x 24.1 x 6.84
Size (optional Plastic case) in mm (Diameter x Height)	Table-Top: 40 x 15 Tear-Drop: 40 (55 with hook) x 15 Screw type: 40 (70 with flange) x 15
Module Regulatory Approvals	FCC, IC, CE BT SIG certification

**Ordering**

PART	Description
IS001S0L0-I2BT- <b>ssss</b>	BT 5.4 Sensor device with selectable sensors
IS001S0L0-I2P <b>x</b> - <b>ssss</b>	Selectable sensor options: <b>ssss</b> : (sensors) 0000: No sensors 0101: Temp 0102: Temp + Hum 0103: Temp + Pre 0104: Temp + Hum + Pre 0205: Temp + Hum + Pre + VOC 0306: Acc 0407: Acc + Temp 0408: Acc + Temp + Hum 0409: Acc + Temp + Pre 040A: Acc + Temp + Hum + Pre 050B: Acc + Temp + Hum + Pre + VoC  <b>x</b> : (package) 1: Table Top Plastic case 2: Tear Drop Plastic case 3: Screw mount Plastic case

**Additional Information**

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