

## INTRODUCTION

The SGW8130 sensor tag is a BLE (Bluetooth Low Energy) device with different sensor options. It reports temperature, humidity, light intensity and motion data through Bluetooth 5.0. The SGW8130 sensor tag is powered by a standard CR2032 cell battery to enable portability.

## FEATURES

- SGW1010 BLE module
  - Wireless System-on-Chip: Nordic nRF52840
  - Bluetooth 5.0 Long Range (125kbps)
- Temperature and Humidity sensor
- Light sensor
- 6-axis Motion Tracking device
- Connected solution for SGW Cellular Gateway and SGW BLE Gateway
- Power Input : CR2032 battery
- Tri-color LED indicators
- Battery life over 3 years in MSD advertising mode at Tx power 0dBm
- Operating Temperature: 0°C to 60°C.
- Mechanical Dimension : 36mm x 36mm x 11mm



Figure 1. SGW8130 Sensor Tag



Figure 2. System Block Diagram

## ORDERING INFORMATION

Part No	Description
SGW8130-A	SGW8130 sensor tag – Temperature & Humidity sensor, Light sensor & Motion tracker
SGW8130-B	SGW8130 sensor tag – Temperature & Humidity sensing only

• Samples available in Q4, 2019. Mass Production in Q1, 2020.

## About Us

SG Wireless™ was launched in 2019 by Hong Kong-based Electronics Manufacturer (EMS) Season Group. SG Wireless is a full stack IoT solutions provider aiming to assist customers in taking their IoT concepts to a finished product.

With our global manufacturing capabilities and the extensive wireless experience of our senior leadership team, we pride ourselves on being the only IoT provider offering design, development, manufacturing and everything in between.

## Contact

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