

[Technology] you can identify with

Everything you need to evaluate Sense BLE devices in one case.

Introduction

Omni-ID has harnessed the power of Bluetooth Low Energy (BLE) to create hugely effective IoT devices.

There's a lot of clever stuff in these intuitive little devices and we love sending out samples but it is when you get your hands on the demo kit that you can quickly and easily start to see how they work and how easy they are to configure with our Sense Config mobile phone app.

All you need in addition to the kit is an Android smart phone so you can download one of the free off-the-shelf BLE apps such as NRF Connect that will enable you to view data from the Sense Locate Kinetic Devices.

Alternatively a BLE Gateway can be used to receive beacons (packets) from the Sense device which will forward the Data to OmniSphere, our Cloud based IoT platform where the data can be viewed and stored. OmniSphere is equipped with a rule engine to generate events based on device data such as creating a notification when a



Sense BLE products features:

- Very long reach, with up to 4 km in urban areas and 15 km in open field
- Short – medium range, with up to 200 m possible
- Minimal infrastructure requirements versus alternative technologies
- Long battery life of up to 5 years
- License free usage – uses same frequency bands as UHF RFID
- Enhanced GPS accuracy, providing 3–5 m
- Simple sensing input

Kit Contents

- 5 Sense Asset devices
- NFC Programmer and USB charging cable
- USB stick containing a detailed user guide for the kit which also includes details of how to download the free app and the Sense Config configuration tool.
- A magnet for activating/de-activating the devices

Key Features of the Sense Asset

- Radio Protocol – Bluetooth Low Energy (BLE)
- Battery Life – up to 5 years (5% motion, 10 second beacon rate)
- Read Range 200m+ depending on reader and surrounding environment
- Construction – Overmolded durable, impact resistant TPE (Thermoplastic Elastomer)
- Sensors – Accelerometer, Temperature
- Temperature Sensor Range -20°C to +60°C with an accuracy of $\pm 2^\circ\text{C}$

