Open-Source
BLUETOOTH 5 READY
SENSOR BEACON

RuuviTag

What is it?

RuuviTag is a sensor beacon that can be used for several different purposes. It can act as a standard Eddystone/iBeacon proximity beacon but it has the potential to be so much more.

By having a way to measure temperature, humidity, air pressure and acceleration it's possible to cover several use cases. And no need to worry about charging the device because the battery life lasts up to 10 years.
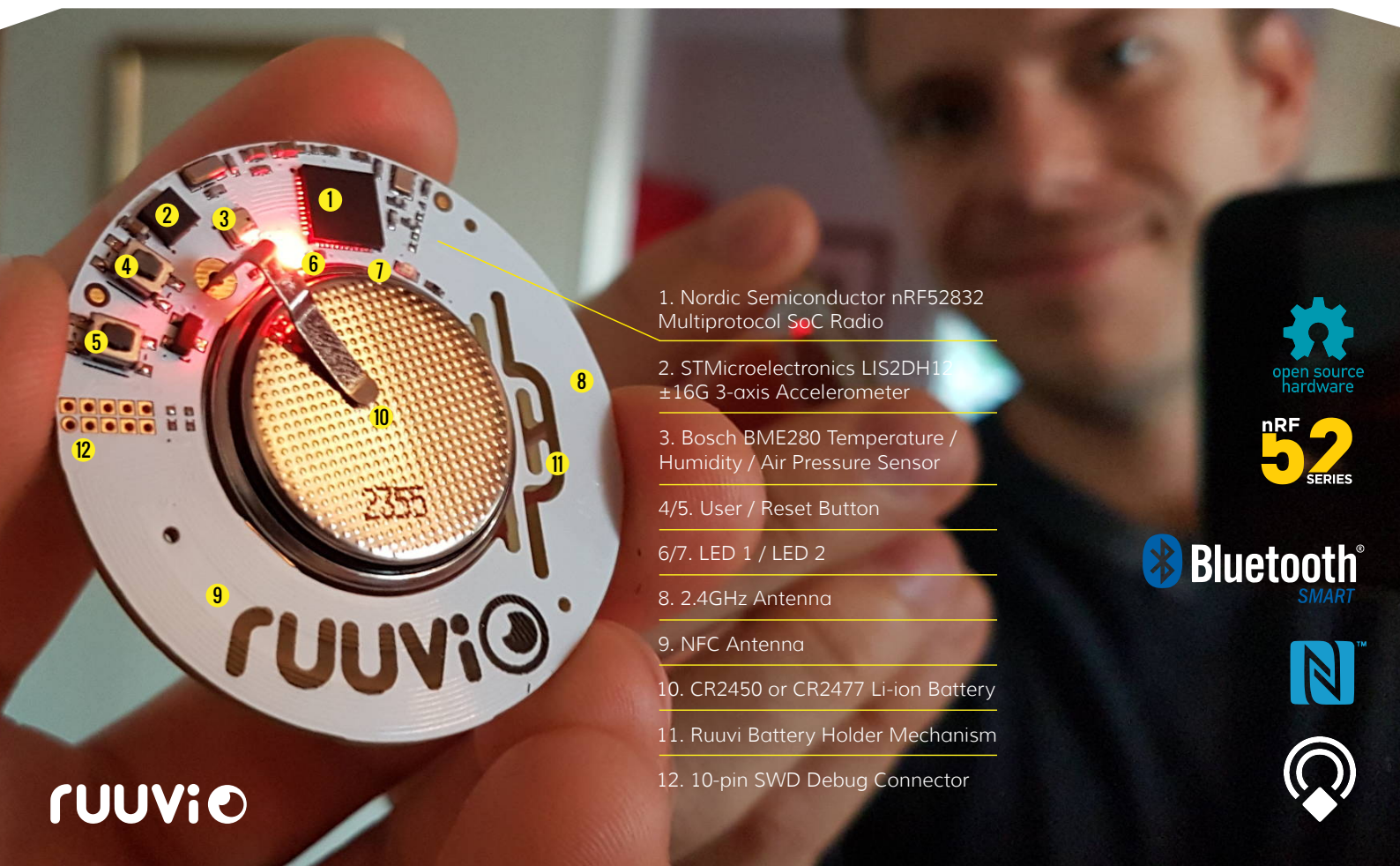
Eddystone

How to use it?

The device can be easily adjusted to cover different and various needs. Use it as a remote weather station with readings that can be pulled up on your mobile phone without pre-installing a mobile app of any kind. Attach one to your bicycle so you can be notified if someone moves it or tell it to broadcast a Physical Web address.

There are endless possibilities for its set up. No programming tools or advanced technical knowledge is required. But, because everything is open-source, the opportunities are limitless.

FCCID: 2AKDDRUUVITAG

1. Nordic Semiconductor nRF52832 Multiprotocol SoC Radio

2. STMicroelectronics LIS2DH12 ±16G 3-axis Accelerometer

3. Bosch BME280 Temperature / Humidity / Air Pressure Sensor

4/5. User / Reset Button

6/7. LED 1 / LED 2

8. 2.4GHz Antenna

9. NFC Antenna

10. CR2450 or CR2477 Li-ion Battery

11. Ruuvi Battery Holder Mechanism

12. 10-pin SWD Debug Connector

open source hardware

nRF 52 SERIES

Bluetooth® SMART

ruuvi

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.   This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.