

BlueBeacon SafeBand

Bluetooth Low Energy wearable tag for RTLS and safety in industrial environments



BlueBeacon SafeBand is a wearable BLE tag designed for localization and safety of workers in industrial environments.

It represents the state-of-art for personal safety BLE tags: nRF52832 SoC, rugged, waterproof (IP65 enclosure), vibration/buzzer/led for alerts, push-button for alarms, accelerometer for motion and free-fall detection, replaceable lithium battery.

BlueBeacon SafeBand comes with three different options: wrist-strap, belt-clip, keyring for pendant.

Firmware options	
Standard BlueUp firmware	Supported technologies: iBeacon, Eddystone, Quuppa-DF Full support of Eddystone specifications (including EID and GATT service) All parameters configurable with BlueBeacon Manager app for iOS/Android OTA FW upgrade
Quuppa-ready firmware	Based on Quuppa firmware library Back-channel communication support OTA configuration update Support for BLE and proprietary channels
Radio	
Version	Bluetooth 5.0 (Bluetooth Low Energy)
Frequency	2.402 to 2.480 GHz
SoC	Nordic nRF52832 with ARM Cortex-M4 CPU
Antenna	PCB meander folded-dipole antenna
Battery	
Model	CR2477 (3V, lithium, 1000 mAh typ. capacity @ 25°C)
Replaceable	Yes
Expected life	8 months to 6 years, 24/7 at room temperature (depending on settings)
Operating temperature	-20°C to +60°C
Enclosure	
Material	ASA plastic (UL 94-HB)
Protection	IP65
Colour	White (RAL9016)
Size	55 x 46 x 17 mm
Wearability options	wrist-strap, belt-clip, keyring for pendant
Advanced functionalities	
Sensors	3-axis linear accelerometer, push-button
User interfaces	Led, vibration motor, buzzer

iBeacon is a trademark of Apple Inc., Eddystone is a trademark of Google Inc., Quuppa is a trademark of Quuppa Oy

PRELIMINARY FACTSHEET

BlueUp reserves the right to apply modifications to the product specifications