



AROCO Bluetooth-compatible Wristband with Heart Rate and Skin Temperature Detection



Industrial grade RF beacon

AC-BLE-T310HT is a RF (iBeacon Compatible) Beacon specially designed for personal safety used. The beacon is embedded with Heart Rate Sensor, Skin Temperature Sensor, SOS button, LED indicator for emergency status reporting, and G-force sensor to provide alert when Fall or predefined motion magnitude is detected. By bundling with our AC-BW-R120 WiFi-RF Receiver, realtime status can be sent to application server through existing WiFi network

Electrical Specification

- Bluetooth 5 Compatible
- iBeacon Compatible
- Chipset: Nordic NRF52840
- 256kB RAM, 1MB Flash
- Frequency: 2.4GHz
- Battery Type: Build-in 450mAh Battery
- Battery for optimal lifetime and compact size
- Wireless Charging supported
- Build-in Heart Rate Sensor, Skin Temperature Sensor, G-force sensor
- Programmable Beacon Power and duration
 - BT4.2 Advertise or/and Long Range (PHY Coded) Mode
 - Transmission range upto 200m (with Long Range Phy Coded)
 - Android management Apps
- Flexible setting for different application
 - Interval: From 50 to 3600000ms
 - Power: -20, -16, -12, -8, -4, 0, +4 dBm.

Beacon ID format

i-Beacon Format include data such as MAC Address, Name, Battery, Power, Broadcast interval, I/O triggered Alarm, G-force triggered Alarm, Heart Rate, Skin Temperature

Environmental Specification

Beacon Watch:

- Operating temperature: : -20°C to +55°C
- Size: 57.5 x 45 x 13.8mm
- Weight: 45.6g
- IP66
- Material: Case - PC+ABS
 - Watch Straps – Silicone
- Battery: 300mA
- Charging Time: 9 hours
- Heartrate Accuracy: ±5%
- Skin Temperature Accuracy: ±5%

Wireless Charger:

- Size: 48.3 x 48.3 x 12mm
- Weight: 20g