



Low Energy RF (BLE compatible) Beacon with Passive InfraRed Motion Sensor

Model: AC-BLE-T110PIR



Industrial grade RF beacon

AC-BLE-T110PIR is a RF (iBeacon Compatible) Beacon specially designed for motion detection application. The beacon is embedded with digital I/O to detect the moving in the detection zone by the Passive InfraRed (PIR) Motion Sensor. By bundling with our AC-BW-R120 WiFi-RF Receiver, the 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
- PIR Sensor: Panasonic EKMB1393113K
- Battery Type: CR2477 (3V 1000mAh) Coin Battery for optimal lifetime and compact size
- 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
 - Advertising Interval: From 50 to 3600000 ms
 - Power: -20, -16, -12, -8, -4, 0, +2, +3, +4, +5, +6, +7, +8 dBm.

Beacon ID format

i-Beacon Format include embedded data such as MAC Address, UUID, Major, Minor, Battery Level, Power.

Environmental Specification

Beacon:

- Operating temperature: -25°C to +75°C
- Material: ABS
- Size: 82 x 45 x 32 mm
- Weight: 52g (with battery)

PIR Sensor:

- Operating temperature: -20°C to +60°C
- Detection Distance: Max. 2.2meters
- Field of View:
 - 44° x 44° (Slight motion)
 - 90° x 90° (Stangard motion)