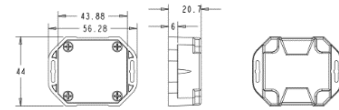


Low Energy RF (BLE compatible) Beacon with Temperature Detection

Model: AC-BLE-T110T



MECHANICAL SPECIFICATION



Industrial grade RF beacon

AC-BLE-T110T is a RF (iBeacon Compatible) Beacon specially for Temperature monitoring. The beacon comes with an industrial grade temperature sensor to detect targeted area temperature. The small temperature probe form factor allows user to place it at interested position such as servers, engines or machineries. By bundling with our AC-BW-R120 WiFi-RF Receiver, the device can collect and send the realtime temperature status to application server through the existing WiFi network

Electrical Specification

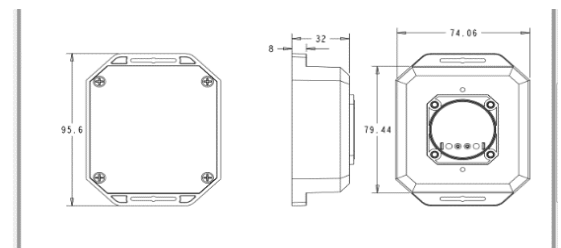
- Bluetooth 5 Compatible
- iBeacon Compatible
- Chipset: Nordic NRF52840
- 256kB RAM, 1MB Flash
- Frequency: 2.4GHz
- Battery Type: CR2477 (3V 1000mAh) Coin Battery for optimal lifetime and compact size
- Programmable Beacon Power and duration
 - BT4.2 Advertise or/and Long Range (PHY Coded) Mode
 - Transmission range upto 200m (with Long Range Phy Coded)
 - Android management Apps
- Flexible setting for different application
 - Interval: From 50 to 9999ms
 - Power: -20, -16, -12, -8, -4, 0, +4 dBm.
- Temperature Sensor Probe
 - Operation Voltage: 3.0~5.5Vdc
 - Measuring range: -55~125 °C
 - Accuracy: $\pm 0.5^{\circ}\text{C}$

Environmental Specification

- Operating temperature: : -25°C to +75°C
- IP68
- UV reistance
- Material: PC/ABS

Extended Battery Compartment

- Attachable extended battery compartment accessory for longer lifetime application
- 2 x C-Type 1.5V batteries
- Appr. 5000mAh
- IP68
- UV reistance
- Material: PC/ABS



Beacon ID format

i-Beacon Format include MAC Address, Name, Battery, Power, Broadcast interval, Temperature etc.