



Low Energy RF (BLE compatible) Beacon with Temperature Detection

Model: AC-BLE-T110T



Industrial Grade RF Beacon

AC-BLE-T110T is a RF (iBeacon compatible) beacon specially designed for temperature monitoring. The beacon comes with an industrial grade temperature sensor to measure temperature in targeted area. The form factor of its small temperature probe allows user to place it at interested position such as servers, engines or mschineries. By bundling with our AC-BW-R120 WiFi-RF Bridging Device, it can collect and send the realtime temperature status to application server through the existing WiFi network

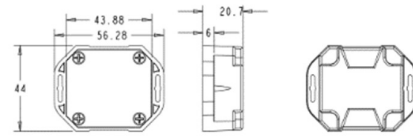
Electrical Specifications

- 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 in compact size
- Programmable setting for different applications
 - BLE 4.2 Advertising or/and Bluetooth 5 Long Range (Coded PHY) mode
 - Transmission range up to 200m (with Long Range Coded PHY)
 - Android management app
- Flexible transmission power and interval
 - Power: -20, -16, -12, -8, -4, 0, +4 dBm.
 - Interval: From 50 to 3,600,000 ms
- Temperature Sensor Probe
 - Operation Voltage: 3.0~5.5Vdc
 - Measuring range: -55~125 °C
 - Accuracy: $\pm 0.5^{\circ}\text{C}$

Beacon ID Format

iBeacon compatible format including data such as MAC address, name, battery level, power, broadcast interval, temperature etc.

Mechanical Specifications



Environmental Specifications

- Operating temperature: : -25°C to $+75^{\circ}\text{C}$
- IP68 water & dust resistant
- UV protected
- Material: PC/ABS

Extended Battery Compartment (Optional)

- Attachable extended battery compartment accessory for extra long battery life
- 2 x Type-C 1.5V batteries
- Appr. 5000 mAh
- IP68 compliant
- UV protected
- Material: PC/ABS

