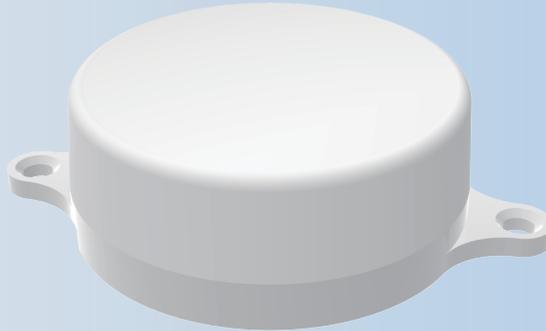


Bluetooth BLE iBeacon

BCN01



OVERVIEW:

The BCN01 is a Bluetooth BLE iBeacon designed for indoor positioning solution. BCN01 is based on NORDIC NRF52832 IC and supports Bluetooth 4.2 protocol. BCN01 has low power consumption and a 2400mAh battery. With a 500ms broadcast interval, BCN01 can work for 4~5 years.

BCN01 is designed for use together with LBT1 LoRaWAN Indoor Position Solution. There are many BCN01s placed in different locations and keep broadcasting their UUID via Bluetooth. Users bring LBT1 LoRaWAN BLE trackers, the LBT1 keeps scanning the UUID and chooses the highest signal UUID to uplink via LoRaWAN. So the IoT server will know where the LBT1 is.

Features:

- MCU: NRF52832
- 2400mAh battery
- 4~5 year battery life
- Distance, 100meters in open area
- RF power: -20 ~ 4dBm
- Operating temperature: -30 ~ 60 °C
- Valid for outdoor use, Weather Proof
- Configurable via mobile phone

Power Consumption:

- Sleeping Mode: 3uA
- Broadcasting: 45uA

Dimension:

- Size: $\phi 55.8 \times 23$ mm
- Net Weight: 43g