



WiFi Bridging Device for Low Energy RF Beacon

Model: AC-BW-R120



Industrial Grade Client Receiver

AC-BW-120 is WiFi client bridging device for receiving information from RF Beacons. The device will send the beacon information to application server through the existing WiFi network

Electrical Specifications

- RF beacon reception
 - Bluetooth 5 compatible
 - iBeacon compatible
 - Chipset: Nordic nRF52840
 - 256kB RAM, 1MB Flash
 - Frequency: 2.4GHz
- Transmission
 - 802.11bgn
 - Frequency: 2.4GHz
- Power input
 - Selection of 9-36V DC or 4-5V DC
- Programmable WiFi power and duration
 - Wakeup duration
 - Power optimization for bundling with AROCO RF beacon
- RF reception protocol
 - BLE 4.2 Advertising or/and Bluetooth 5 Long Range (Coded PHY) Mode
 - Range up to 200m (with Long Range Coded PHY)

Beacon ID format

iBeacon compatible format including data such as MAC address, name, battery level, power, broadcast interval, G-Force alarm, temperature, humidity, input/output status (for magnetic door switch, water detection)

Environmental Specifications

- Operating temperature: : -25°C to +75°C
- IP66
- UV resistance
- Material: PC/ABS

Transmission Protocol (through WIFI network)

- MQTT

AROCO Compatible RF Beacons

- AC-BLE-T110
- AC-BLE-T110S
- AC-BLE-T110F
- AC-BLE-T110T
- AC-BLE-T110G