Sensor Beacon
FSC-BP120 Datasheet

1. Product Brief Information

FSC-BP120 a Bluetooth 5 Temperature and Humidity Sensor Beacon. This product can help to monitor real-time environmental temperature and humidity near the beacon. Operating with Feasycom's FeasyMonitor APP and Gateway Device FSC-BP201, users can take advantage of the remote temperature & humidity monitoring. This product uses CR2032 battery as the power source, the battery life can reach up to 280 days.

Besides, this product can also act as a regular Bluetooth beacon, simultaneously supports iBeacon, Eddystone (URL and UID), AltBeacon profiles. Working with FeasyBeacon APP, users can set up the broadcast data, broadcast interval, transmit power, etc. Supports up to 10 slots advertising frames.

With the available FREE iOS & Android FeasyBeacon SDK, users can develop their own applications easily.

2. Product Image

3. Basic Parameters

Item	Description
Chipset	TI CC2640R2F
Bluetooth Version	Bluetooth 5.0
TX power	-23 dBm to +5 dBm, configurable, 0 dBm by default
Temperature Range	-20℃ ~ 60℃ (-4℉ ~ 140℉)
Humidity Range	0 ~ 100% RH
Typical Humidity Accuracy	2 % RH
Typical Temperature Accuracy	0.2 ℃
LED	available
Button	available
Motion Sensor	Optional, can be added
Power Supply	CR2032
Battery Life	280 days (ADV Interval = 1300 ms; TX Power = 0 dBm)
Material	ABS plastic
Size	Φ32.5mm, H:11mm
Net weight	8.45 g

4. Operating Method

Power ON: Long press the button, LED flashes for 3 times, device powered on.

Power OFF: Long press the button until the LED light on steadily, release the button, powered off.

This device can work with Feasycom's FeasyMonitor APP and Gateway Device FSC-BP201 to implement remote monitoring. See more information in < FeasyMonitor APP User Guide> document.

To set up regular beacon operation, please refer to <FeasyBeacon Getting Started Guide> document.

5. Declaration

The contents of this datasheet are subject to change without prior notice for further improvement. Feasycom team reserves all the rights for the final explanation.

iBeacon is a trademark of Apple Inc., Eddystone is a trademark of Google Inc.

Please contact Feasycom sales team or visit https://www.feasycom.com/ to get more related information if needed.

6. Contact Information

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Revision History

Version	Changes	Author
1.0	Initial Release	Tim