

# Accelerometer Beacon

## Datasheet V1.1

Ordering Code	Description
i7-6004A	Signal white (RAL9003) casing, CE&FCC certified module, a 3-axis accelerometer sensor inside, includes 1pc 1000mAh CR2477 coin battery and external ON/OFF Button, RoHS

The accelerometer MiniBeacon i7 is a very popular and modern iBeacon with ARM core chipset nRF52832 and leverage Bluetooth 5.0 technology; it has a 3-axis accelerometer sensor and an external ON/OFF button, accurate hardware and robust firmware. It is designed for the commercial advertising and indoor location-based service.

MiniBeacon only broadcasts and transmits 2.4GHz radio signals at the regular and adjustable intervals constantly when the beacon was moved.

## FEATURES

- Programmed MiniBeacon standard firmware
- 3-axis accelerometer sensor inside
- Included 1pc 1000mAh coin battery
- The max. 100 meters advertising distance
- Ultra-low power consumption chipset nRF52832 with ARM core
- Easy to print the logo on the center of top case;



i7 Accelerometer Beacon

Image 1

## CERTIFICATIONS

- iBeacon MFi License (iBC-14-00582)
- FCC Regulation (FCC Part 15.)
- CE Regulations (Included EN300328/301489/60950/62479)

## How to operate the Accelerometer Beacon i7

### 1. Turn on

- 1.1 Press the ON/OFF button and keep holding 5 seconds, the Blue LED will Light on 5 seconds and then off; it means that the beacon is under the working mode;
- 1.2 If moved the beacon i7, its accelerometer sensor will be activated and then the beacon start to broadcast the data;

### 2. Turn off

- 2.1 Press the ON/OFF button and keep holding 5 seconds, the Blue LED will flash 5 times and then off; It means that the beacon is under the sleep mode.

## ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	white	Other colors can be customized
Battery Model	1 x CR2477	1pc CR2477 coin battery, 1000mAh, 3.0V
Operation Voltage	1.7-3.6V	DC
Transmission Circuit	6.5mA (Max.)	Tested at 0dBm transmission power
Transmission Range	100 meters	Maximum
Accelerometer	3-axis	Null
Sampling Interval	900mS	Null
Broadcasting Interval	900mS	Null
Antenna	50ohm	On board / PCB Antenna
Accessories	Double adhesive	1pc, high-strength, 3M brand;
Net Weight	26.0g	With battery but without package
Size	Ø50 x 15 mm	Null

## TECHNICAL SUPPORT

Item	Version	File Name	Updated Date
Datasheet	V1.0.1	i7 Accelerometer Beacon Datasheet_V1.1.pdf	8 <sup>th</sup> April, 2017
2 <sup>nd</sup> Development	V1.0.0	i7 Accelerometer Interface Document_V1.0.pdf	8 <sup>th</sup> April, 2017
APP Tools	---	nRFConnect	---

## PACKING INFORMATION

Standard Package:



Image 2

Details	Package Box	Carton
Quantity (i7)	20pcs per package box	200pcs per carton
Net Weight	0.52kg	5.2Kg
Gross Weight	0.60Kg	7.0Kg
Size	30.5 x 11 x 7.5 cm	32 x 23 x 40 cm

## **APPDENDIX**

1. J-LINK Programmer Kit;
2. Over-the-Air Function;

Please contact Minew sales team to ask more related information if needed.

## **DECLARATION**

The contents of this datasheet are subject to change without prior notice for further improvement. Minew team reserves the right to explain all the terms of this datasheet.

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