

# Mero Beacon Datasheet

Part #	Description
Beacon1	The Beacon1 with the latest Bluetooth 5.0 tech inside, mostly helps users in different industries to realize asset or inventory tracking. Also, it is easy for users to wear or carry due to its portable design.

Beacon1 can be used for asset tracking, activity monitoring, inventory tracking, etc., in different industries.

## FEATURE

- Advertise iBeacon & Eddystone & Sensor data
- Bluetooth® 5.0 chipset nRF52 series
- Included 1pc CR series coin battery replaceable
- The max.60 meters advertising distance
- Compact housing with a key-chain hole



Beacon1

## APPLICATION

- Asset tracking
- Activity monitoring
- Inventory tracking

## ACCESSORY

- Double-sided adhesive

## ACTIVATE E8S

- Takeout the plastic battery sheet from Beacon 1 to activate device

## FIRMWARE UPGRADE

1. J-LINK Programmer Kit
2. Programming ports definition

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

Item	Value	Remarks
Case Color	white	Other colors can be customized
Battery Model	1 x CR series	230mAh, 3.0V
Operation Voltage	1.8-3.6V	DC
Transmission Current	5.3mA (peak current)	Tested at 0dBm transmission power
Transmission Range	60 meters	Maximum
Sampling Interval	900ms	Accelerometer
Sampling Accuracy	+/- 2g	Default
Antenna	50ohm	On board / PCB Antenna
Size	36.5*23.7*5mm	Null

## PACKING INFORMATION



Details	Inner Box(Battery included)	Outer Box(Battery included)
Quantity	80pcs / box	800pcs / carton
Net Weight	520g	5.2Kg
Gross Weight	750g	8Kg
Size	30.5 x 11 x 7.2 cm	32 x 23.5 x 40 cm

- iBeacon MFi License (iBC-14-00582)
- Bluetooth® EPL Certification
- FCC Regulation
- CE Regulations
- IC Regulations

## DECLARATION

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

## CONTACT

Phone: +1 855 714 6376 x2

Email: [hello@mero.co](mailto:hello@mero.co)

Address:

2-325 Front Street West, Toronto, Ontario, M5V 2Y1, Canada.

<https://www.mero.co/>

<END>

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.