Cover Page

Datasheet

Product Name：**Coin Tag**

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Product Pictures:

Product Introduction

The Coin Tag is a cost-effective, low-power Bluetooth product developed by Minew. It is thin and compact, only close to the size of a coin. The i9 is smooth on both sides, which makes it very convenient to put it in your pocket or stick it on your assets. The i9 is equipped with a replaceable button battery, which can be used many times. Based on the above features, the i9 is suitable for exhibitions, concerts, warehouses, etc. where larger numbers of people or assets need to be located and managed.

Features

- Cost-effective
- 80 m broadcasting distance
- Replaceable battery
- Slim design

Application Scenarios

Crowd Counting

The i9 is cost-effective, thin and compact. It can be attached to the exhibition sign and distributed to visitors along with the exhibition materials. Combined with a Bluetooth gateway, the i9 can monitor the flow of people in such scenarios. The i9 combined with relevant technology can be used to realize flow monitoring and locating people in such scenarios to improve efficiency and achieve intelligent statistics.

Short-term asset tracking

i9 can be pasted on some high-value items to track the location of assets. As i9 is cost-effective, it is suitable for mass installations in warehouses or museums. Determine the location information and status of assets at higher efficiency.

Note: Application cases above are only as a reference, more applications realized are based on users' software algorithm ability.

Product Specifications

Basic Specifications

Body material	ABS
Color	White（default）/ Black
Size (D * H)	φ26 * 5 mm
Weight	3.9 g
Battery	CR series battery, 85 mAh
LED	Blue
OTA	Not supported
Application	BeaconSET & BeaconSET+[1] (check the device information)

Note: [1] BeaconSET or BeaconSET+ can only be used to view the broadcast information, not to connect to the device.

Technical Specifications

Bluetooth version	Bluetooth® LE 4.2
Broadcast power	-20, -1, -11, -7, -3, 0, 3 dBm, default 0 dBm
Broadcast frequency	100 ms ~ 10 s, default 900 ms
Broadcast range	Up to 80 m (open area)
Working temperature	-20℃ ~ 60℃
Storage temperature	20℃ ~ 35℃

	Security	Non-connectable mode, malicious connecting proof supported

Broadcast Specifications

Frame[1]	Items	Default Setting
iBeacon (On)	UUID(16 bytes)	E2C56DB5-DFFB-48D2-B060-D0F5A71096E0 (configurable))
	Major(2 bytes)	0 (0 - 65535, configurable)
	Minor(2 bytes)	0 (0 - 65535, configurable)
	Measured power	-59dBm(0xC5)
	Tx power	0 dBm
	Interval (ms)	900 ms
MBeacon (On)	Device Name	i9
	Battery Level	By default
	MAC Address	Assigned before shipment
	Measured power	-24dBm(0xC5)
	Tx power	0 dBm
	Interval (ms)	4000 ms

Note:

①The product only supports 2 broadcast frames, which can be selected from iBeacon, MBeacon INFO, UID, URL, and TLM, and the broadcast power must be consistent.

②The parameters of the finished product need to be determined at the time of production. Once programmed into the chip, the parameters cannot be modified.

Device Operations

Power on

The product default shutdown shipment. Unplug the insulating sheet, and blue light on for 3 seconds when it is powered on.

Shutdown

Remove the battery..

Battery check

  The product has no indicator light, and the battery power information can be judged by the voltage information in the MBeacon INFO frame.

Broadcast viewing

Check whether the device is broadcasting by BeaconSET or BeaconSET+ App.

Precautions

1. After the product is powered on, it will be in broadcast mode and cannot be connected.

2. The finished product does not support burning firmware provided by customers.

3. To extend the battery life if needed, it is recommended to choose a low broadcast power and a long broadcast

interval parameter setting version at the manufacturing stage.

4. If the operating temperature is exceeded, there could be damage to the product.

5. Please avoid direct sunlight for an extended period to avoid aging of the shell when in use.

6. Minew will not be responsible for any damage resulting from disassembling manually.

Certifications

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Note: CE and FCC certification numbers can be provided upon request. If other certifications are needed.

Packaging information

Details	Inner carton	External box
Pictures		
Quantities	100 pcs	1000 pcs
Sizes	30.5 × 11 × 7.2 cm	32 × 23.5 × 40 cm
Gross weight (with accessories)	490 g	5.4 kg

Quality Assurance

The factory has already obtained the certification of ISO9001 Quality System. Each product has been strictly tested (tests include transmission power, sensitivity, power consumption, stability, aging, etc.).

Warranty Period: 12 months from the date of shipping (Battery and other accessories excluded).

Declarations

Statement of Rights:

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Disclaimer:

Minew team reserves the right to the final explanation of the document and product differences. The Minew group is not responsible for liability of property or personal injury with the wrong operation if users develop related products without checking the technical specifications of this manual.

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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

Contact Information
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