Mini Beacon

Model: T3
Datasheet V1.0

Model	Description
T3-9001A	204940001, sticker beacon, round shape, white, includes 1pc CR2016 coin battery and gift package box, RoHS

The sticker iBeacon T3 is a very small iBeacon with ARM core chipset and leverage BLE 4.0 technology. The standard MiniBeacon firmware has been programmed into the device. It is designed for the commercial advertising, indoor location-based service and personal electronic sticker.

Sticker beacon T3 broadcasts 2.4GHz radio signals at regular and adjustable intervals. Sticker beacon T3 can be heard and interpreted by iOS and Android BLE-enabled devices that are equipped with many mobile apps.

FEATURES

- **Programmed MiniBeacon standard firmware**
- **Included 1pc CR2016 coin battery replaceable**
- **The max. 50 meters advertising distance**
- **Small size, user-friendly and portable**
- **Easy to print the logo on the center of top case;**

CERTIFICATIONS

- **iBeacon MFi License (iBC-14-00582)**
- **CE Regulations (Included EN300328/301489/60950/62479)**

T3 MiniBeacon Image 1

SPECIFICATION

Compatibility

- Supported iOS 7.0+ and Android 4.3+ system;
- Compatible with Apple iBeacon™ standard;
- Compatible with all Bluetooth 4.0 (BLE) devices;

Replaceable battery and Battery Level

- Replaceable coin battery;
- Easy to get the real-time battery level notification;

Soft-reboot

- Reboot the device via command without any tools;

OTA and J-Link

- Supported upgrade via Over-The-Air;
- Reserved J-Link port on the board for programming;

Connection Mode

- Advertising mode, non-connectable;
- Configuration mode, connectable;

Configurable Parameters

- UUID, Major, Minor, Device Name, Password etc.
- Special Configuration APP;

Transmission Power Levels

- 8 adjustable levels, range from 0 to 7
- Transmission power range: -30dBm to +4dBm;

Security

- 8 characters password (Lock/Unlock parameters);
- Broadcast the encrypted data if needed;
- AES HW encryption

Mounting

- 3M branded adhesive for direct mounting to wall;

TURN ON i9

Please DO take out the battery sheet from T3 sticker beacon before using.

ONFIGURABLE PARAMETERS

Characteristic	Item	Default Settings
0xFFF1	UUID	E2C56DB5-DFFB-48D2-B060-D0F5A71096E0 (Proximity)
0xFFF2	Major	0
0xFFF3	Minor	0
0xFFF4	Measured Power	-59 (0xC5)
0xFFF5	Transmission Power	6 (0dBm)
0xFFF6	Change Password	minew123 (Must be 8 characters)
0xFFF7	Broadcasting Interval	9(900mS)
0xFFF8	Serial ID	Random (Unique serial ID for beacon)
0xFFF9	iBeacon Name	MiniBeacon_ (the maximum 12 characters)
0xFFFE	Connection Mode	0 (connectable, configuration mode)
0xFFFF	Soft Reboot	minew123 (it is same as the value of Change Password)

ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	white	Other colors can be customized
Battery Model	1 x CR2016	1pc CR2016 coin battery, 3.0V
Operation Voltage	1.8-3.6V	DC
Transmission Circuit	9.5mA (Max.)	Tested at 0dBm transmission power
Transmission Range	50 meters	Maximum
Antenna	50ohm	On board / PCB Antenna
Accessories	Double adhesive	1pc, high-strength, 3M brand;
Net Weight	5.0g	With battery
Size	31.0*30*5.5 mm	Null

TECHNICAL SUPPORT

Item	Version	File Name	Updated Date
Datasheet	V1.0	T3_MiniBeacon Datasheet_1.0.pdf	21st Feb,2019
Instruction	V2.03	Instructions_MiniBeacon_V2.03.pdf	25th May, 2015
SDK	V3.1	Android Reference Source Code; iOS Reference Source Code;	18th June, 2017
APP Tools	V2.0	BeaconSET	23rd May, 2017

* Minew sales team will send you these documents after the sample arrived.

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.   **<END>**

FCC WARNING

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.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator your body: Use only the supplied antenna.