

Disposable Tag Datasheet

Model : T3

The Disposable Tag T3 is a Bluetooth® LE digital broadcasting device, it is designed for the commercial advertising, indoor location-based service, event monitor, asset tracking etc.

The T3 broadcasts standard iBeacon data at regular intervals, it can be heard and interpreted by iOS and Android Bluetooth® LE-enabled devices that are equipped with many mobile apps.

FEATURES

- Cost-effective
- 100 m broadcast transmission distance
- Dual-channel broadcast
- Small size, user-friendly and portable
- Easy installation, replaceable battery



T3

Market Applications

Personnel Management

The T3 is a small, lightweight and cost-effective wearable beacon that can be used in a wide range of applications such as exhibitions and concerts where there is a large flow of people for a short period. T3 combined with relevant technology can be used to realize flow monitoring and locating people in such scenarios to improve efficiency and achieve intelligent statistics.

Content Push

The T3 can be deployed in supermarkets, aquariums, and commercial complexes. With the customer's app, T3 can provide users with corresponding information according to their locations. Therefore, content push, online exposition, and retail promotion can be achieved while user experience and working efficiency can be improved.

SPECIFICATION

Basic Specifications

Material	ABS
Color	White
Size (L * W * H)	31.1 * 30 * 5.5 mm
Weight	4.8 g (battery included)
Battery type	1 CR battery
Battery capacity	90 mAh
Battery life	3.5 months (default settings)
Sensor	/
LED	/
Button	/
NFC	/
OTA	Not supported
Information view app	BeaconSET or BeaconSET+

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

Technical Specifications

Bluetooth® version	Bluetooth® LE 5.3
Broadcast power	Options: -20, -16, -11, -7, -3, 0, 3 dBm Default 0 dBm
Broadcast interval	100 ms ~ 10 s, default 900 ms
Broadcast distance	100 m (open space)
Working temperature	-20°C ~ 60°C
Storing temperature	20°C ~ 35°C (ideal temperature for storing battery)
Security	Non-connectable mode, data cannot be altered

Broadcast Specifications

Type/ channel	Item	Default settings
iBeacon (activated by default)	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	-59 dBm (0xC5)
	Tx power	0 dBm
	Interval (ms)	900 ms
MBeacon INFO (activated by default)	Device name	T3
	Battery voltage (mV)	Depends on the status
	MAC address	Assigned before shipment
	Measured power	-24 dBm (0xE8)
	Tx power	0 dBm
	Interval (ms)	4000 ms

Note:

- ① The 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.
- ② The parameters of the finished product need to be determined at the time of production. Once programmed into the chip, the parameters cannot be modified.

Compatibilities

Supported systems	Supported models
iOS 10.0 and above	iPhone6/ 6 Plus/ 6S/ 6S Plus., iPhone 7/ 7 Plus, iPhone 8/ 8 Plus, iPhone x/ xr/ xs/ xs max, iPhone SE/ SE2, iPhone 11/ 11 pro/ 11 pro, etc.
Android 4.3 and above	LG, Samsung, Xiaomi, Huawei, Honor, OnePlus, Google Pixel, etc.

INSTRUCTION

Power on: unplug the insulating sheet, and the device will start when it is powered on.

Shutdown: remove the battery.


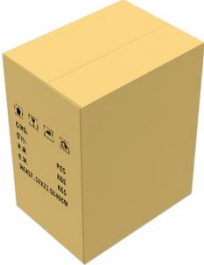
Battery check: the product has no indicator light, and the battery power information can be judged by the voltage information in the MBeacon INFO frame.

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 firmware 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.

Package

Items	Internal carton	External box
Pictures		
Units	112	1120
Sizes	30.5 * 11 * 7.2 cm	32 * 23.5 * 40 cm
Gross weight	618 g	6.64 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).

DECLARATION

Statement of Rights:

The contents of this manual belong to the Manufacturer of Minew Technologies Co., LTD, Shenzhen, and are protected by Chinese laws and applicable international conventions related to copyright laws. The contents can be revised by the company according to the technological development without prior notice. Anyone, companies, or organizations cannot modify the contents and cite the contents of this manual without Minew's permission, otherwise, Violators will be held accountable according to law.

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 MINEW

SHENZHEN MINEW TECHNOLOGIES CO., LTD.

-  +86 (755) 2103 8160
-  www.minew.com
-  info@minew.com
-  www.minewstore.com
-  No.8, Qinglong Road, Longhua District, Shenzhen, China

<END>