

# BT-10 Datasheet

Nanjing Woxu Communication Technology Co., Ltd.

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## 1 Introduction

BT-10 is a card-type Bluetooth positioning tag developed by Nanjing Woxu Communication Technology Co., Ltd. It can support BLE AoA positioning and BLE Beacon positioning. Supports active sending of SOS alarms, low battery alarms, and long periods of inactivity alarm. These alarms are equipped with vibration and buzzer prompts.

BT-10 is equipped with RFID to support access control card, personnel information management and other functions;

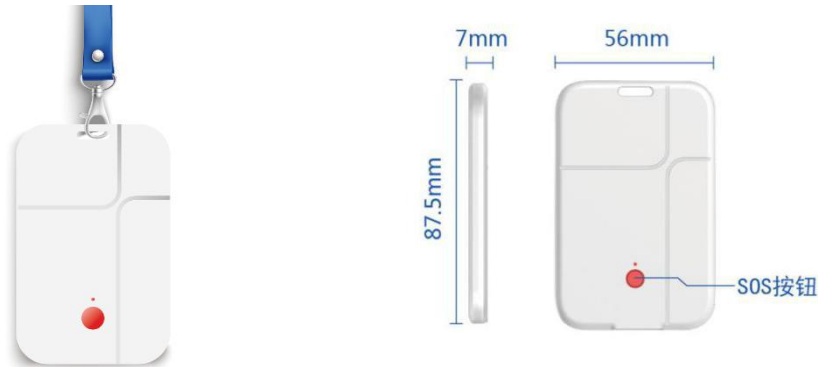
BT-10 is equipped with RFID to support access control card, personnel information management and other functions;

BT-10 can be worn as an employee's work badge or used as an armband, which is widely used for personnel positioning in various fields.

## 2 Main feature

- IEEE 802.15.1
- Vibration, buzzer prompt
- IP67
- RFID (Optional)
- Sub-G return channel
- SOS button

### 3 Product picture



### 4 Specification

Item	Description	
<b>Overview</b>		
Model	BT-10	
Specification	IEEE 802.15.1	
Charging interface	4 Pin magnetic charger	
Charging voltage	DC 5V	
Instantaneous power consumption	60mW	
Standby time	6 months	
Refresh rate	1Hz (0.1Hz~5Hz adjustable)	
LED	In charge	Blue light blink
	Fully charged	Blue light on

	Low battery (working)	Red blink
	Normal power (working)	Green light blink

### RF Spec.

Working range	2400MHz~2483.5MHz
Physical rate	1Mbps
Output power (25°C)	0dBm (typical)
Antenna gain	0 dBi

### Sub-G Spec.

Working frequency	470-490MHz
Output power	17dBm (Max)
Rate	40kbps (typical)
Antenna gain	2dBi (TBD)

### Software Spec.

BLE working mode	BLE AoA sending mode (label sending)
	Beacon receiving mode (beacon sending, label receiving)
Sub-G working mode	Data transmission
Sleep mode	Smart
Alarm upload	SOS button

	Low battery warning
	Long period of inactivity
Alarm issuance	Vibration (prompt, alarm, strong alarm)
	Buzzer (prompt, alarm, strong alarm)
Upgrade	OTA, CLI
Configuration	BLE interface, CLI configuration

### Physical Spec.

Size (mm)	57×87.5×7
Weight (gram)	39±5

### Environment Spec.

Temperature	Working temperature -20°C~60°C
	Storage temperature -25°C~70°C
Humidity	Working humidity: 10%~90% non-condensing
RoHs	Compatible

## 5. Delivery content

Model	Specification	Note	Quantity	Order number
BT-10	BLE card type positioning tag	Type	1	AA01BT100000
Magnetic charger	4Pin magnetic charger, 800mm		1	/

Accessories (Not included in the scope of delivery, please contact Woxu in advance if you need it)

Model	Specification	Order number
Power adapter	5V, 1A power adapter	AD0203100001
Centralized charger		