

Wi-Fi Tag for Tracking and Locating

Description

URadio Systems' innovated Wi-Fi RFID is an active RFID system based on the widely adopted Wireless LAN (or called Wi-Fi). It supports the industry standard communication protocol IEEE 802.11b. Wi-Fi RFID system is characterized by long range, accurate reading rate, higher locating accuracy, low total cost of ownership, and easy use. The unique capability of Wi-Fi RFID system is to track the precise location of personnel and assets. Wi-Fi RFID system consists of tags, APs and locating engine.

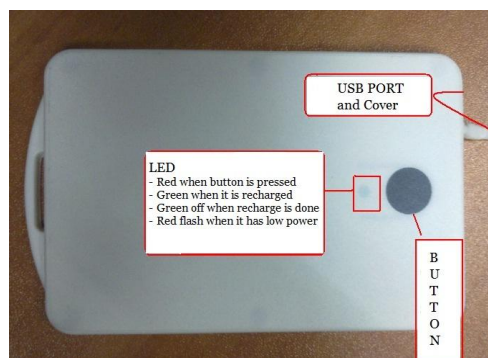
Each Wi-Fi tag has a unique 48-bit MAC address as its ID. It transmits IEEE 802.11b signal periodically. The transmit interval is set based on the customer requirement. When a Wi-Fi tag is attached to a person or an object, APs (Wi-Fi Access Points) under monitoring mode scan tag signals, and send each tag's signal strength and tag MAC address to a locating server. The applications include underground mine, factory, logistic center, hospital, elder care center, shopping center, and etc.

URadio Wi-Fi Tag supports major enterprise APs including Cisco, and low-end APs as well.

URadio Wi-Fi Tag has two forms: URT-200C and URT-200K.

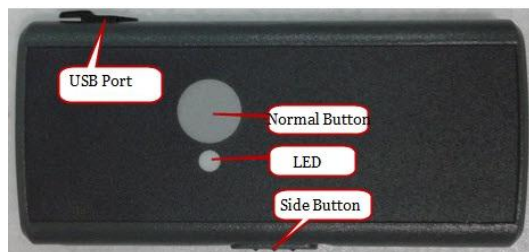
URT-200C

URT200-CV is exactly same as URT200-C except it has extra vibrating sensor.



URT200-K/

URT200-KV is exactly same as URT200-K except it has extra vibrating sensor.



Specifications

Mechanics			
No.	Name	URT-200C Parameter	URT-200K Parameter
1	Size	95mm X 65mm X 8mm	83mm X 38mm X 8mm
2	Weight	About 45g	About 30g
3	Material	ABS	ABS
4	Color	White	Dark Grey
5	Working Temperature	Range: -20°C ~ +65°C	Range: -20°C ~ +65°C
Electricity			
No.	Name	URT-200C Parameter	URT-200K Parameter
1	Power	Rechargeable battery	Rechargeable battery
2	Working Voltage	3.1V - 4.2V	3.1V - 4.2V
3	Battery Capacity	1000mAh, > 6 months by default	300mAh, > 50 days by default
4	Tx Power	50mW	50mW
5	Frequency	2.4GHz, 11 channel by default (configure to any combination of 1, 6, 11 channels by manufacturer)	
6	Protocol	IEEE 802.11b, transmit only	
7	Tx Interval	5 seconds by default (configure by manufacturer)	

8	Tx Rate	1 Mb/s	
9	Low Power Alarm	<3.44V	

Functions

- Push Button: Press button to send a signal with special information.
- USB port: for battery recharge, connect to USB charger or computer USB port through USB cable (see accessories).
- LED: Red when button is pressed; Green when it is recharged; Green is off when recharge is done; Red flash when it has low power.
- Low power alarm: When the battery is low, the tag sends signals with special bit.
- **For URT200-CV/KV only:** URT200-CV/KV has a vibrating sensor. When the tag is moving, the tag transmits signal with special bit is on.

Contact information

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