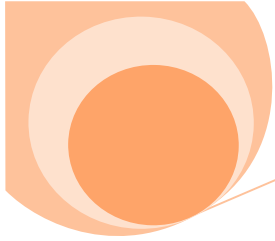


SLU-T1000

SLU-T1000



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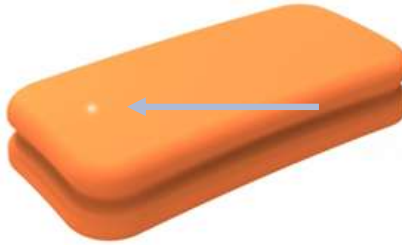
1.Product Specifications

Specification	
Dimension	47.3*23.3*8.5 mm
Battery	70mAh
Charging	Wireless charging
IP Grade	IP68
Working Environment	Working Temperature: -10~60℃ Humidity:10%~90%
UWB Specification	
Frequency Band	CH2: 3993.6MHz; CH5: 6489.6MHz
Speed	6.8Mbps
Transmitting Frequency	2 times per second(Can be modify)
Output Power	≤-41.3dBm/MHz
Channel	Support channel 2&channel 5
Protocol Standard	IEEE 802.15.4-2011 UWB
RFID Specification	
Frequency	13.56MHz
Protocol Standard	Mifire

2.Product Picture

Product Picture:

LED



LED status:

Charging: Red

Full: Green

Low light reminder: Red (1 per second Flash)

Please Charge our tag on wireless charging when LED flash red.

UWB positioning system includes UWB Tag, UWB Anchor and server. The positioning system is based on TDOA work.

In TDOA, tags send periodic blink message that are received at the anchor node.

Anchor report blink reception time-of-arrival (TDOA) timestamps to the server. The server multilaterates to estimate the tag location and report it with the tag ID through a defined API.

Introduction

UWB high precision location products are composed of positioning base station, positioning tag and positioning platform, providing enterprises/users with high precision, high stability and high reliability of real-time positioning/analysis system.



Nanosecond pulse signal
High security & high confidentiality



Strong anti-jamming performance
High transmission rate & large system capacity



Time synchronization technology to
simplify construction scheme



Realize high real-time location



Distributed cellular architecture
Convenient for expansion of coverage area



Multiple tag types
Adapt to different application scenarios



Positioning tags with high capacity



Mature application cases



Anchor



Tag

This UWB Tag is used for swimming caps in the Swimming Center as indoor use only.



<p>Application Scenarios</p> <p>Personnel Management: real-time positioning, electronic attendance, historical trajectory, electronic fence alarm, drowning alarm.</p> <p>Pain points solving: 1. Effectively reduce drowning supervision of lifeguards and relieve monitoring pressure. 2. Upgrade the safety level of natatorium. 3. Reduce drowning rate in children.</p>	<p>UWB Tag</p> <p>UWB Anchor</p> <p>UWB signal</p>
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Notices:

1. This device (Location tag) is a kind of tag based on UWB technology with high precision location.
2. This Product meets the design requirements on environmental protection, Product storage, use and disposal shall comply with relevant national laws, regulations, requirements.
3. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
4. This is not handheld device. Do not hand held it.
5. This UWB system needs to be professional installation, and we provide free technical support to install this product indoors. During debugging by software, the using zones will be strictly controlled indoors. When the UWB Tag leaves the indoor area covered by the base station, the UWB function of the Tag will stop work immediately.
6. UWB positioning system includes UWB Tag, UWB Anchor and server. The positioning system is only used indoors, and the emissions from equipment operated would not be intentionally directed outside of the building in which the equipment is located.
7. It is forbidden to use the antenna installed outdoors.

3.Warning

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement.

“This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties.”