

JimiloT_LL306R_user manual_V1.0_20250403



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Over View

1. Main Features

- Global roaming
- Environment detection
- Remote configuration
- Magnetic mount
- Installation/Remove alert
- IP66 dust and water proof
- Container door close/open alert

2. Specifications

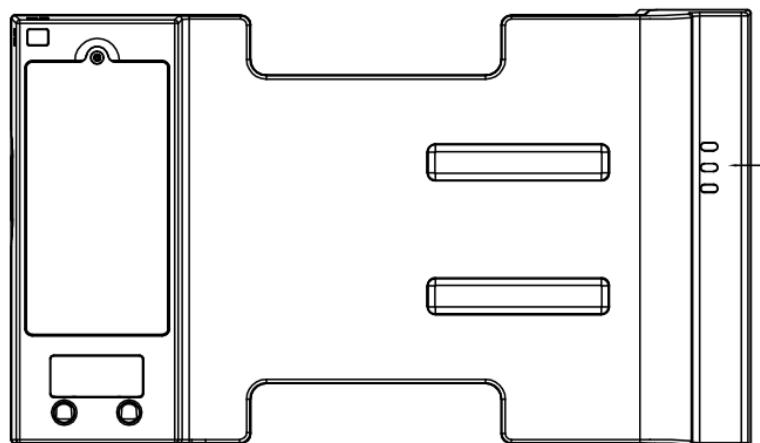
Parameter	Details
Communication system	TCP
Frequency bands	FDD-LTE: B1/2/3/4/5/7/8/12/17/18/19/20/25/26/28/66 TDD-LTE: B38/40/41 GSM: B2/B3/B5/B8
BLE 4.2	BLE App configuration
Location Accuracy	< 2.5m CEP
Battery	5000mAh/3.7V industrial-grade Li-Polymer battery
input	5V/2A DC USB-C
Dimension	125*89*216mm
Weight	484g
Working environment	Device: Temperature: -30°C ~60 °C Humidity: 0% ~99%, non-condensing Battery: 0-45°C for charging, -30°C ~60°C for discharging

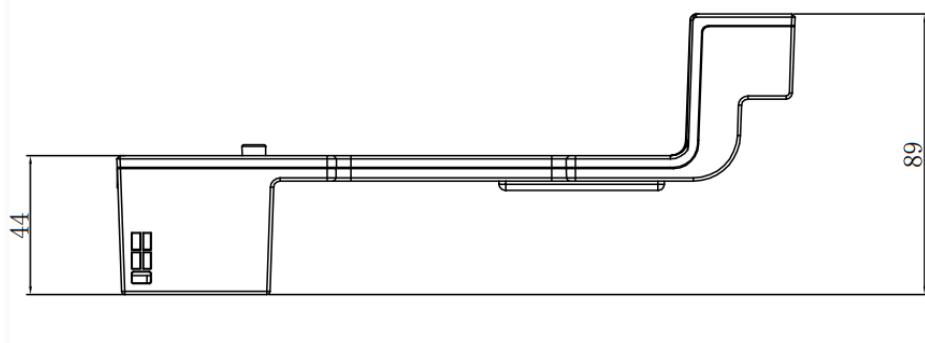
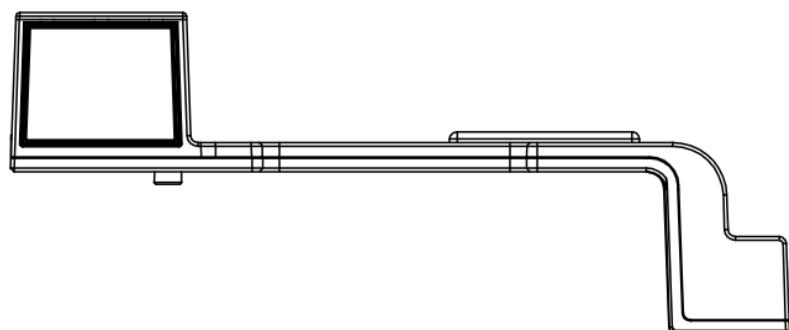
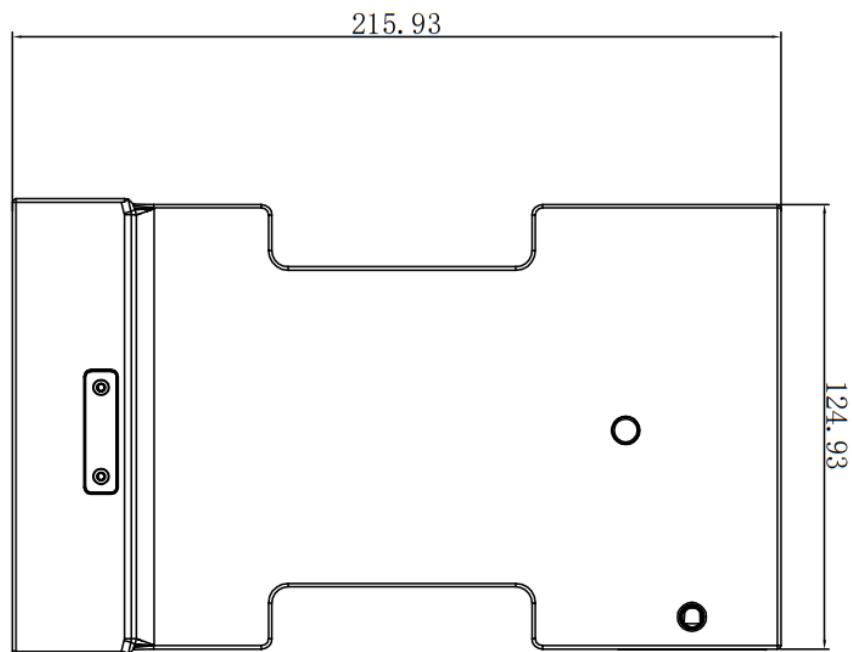
Water/Dust proof	IP66
External battery	
Battery	5000mAh/3.7V industrial-grade Li-Polymer battery
input	5V/2A DC 4-pin magnetic port

3. Product list

Product List	Quantity
Device	1
External battery	1
Battery cover	1
Packaging bags	1

4. Appearance





Device function

1. LED status

LED	Status	Meaning

Red	Always on	The battery is fully charged;
	On for 1s, Off for 1s, Cycle	The internal battery is charging;
	On 0.2S Off 1S Cycle	The external battery is charging;
	the red LED will flash (0.6s on and 2s off) 5 times before off.	If the battery is less than 80%;
	LED will be off after 10 seconds.	If the battery is more than 80%;
Green	On for 1s, Off for 1s, Cycle	The network is searching ;
	On 0.2S Off 1S Cycle	The platform is connected;
Blue	On for 1s, Off for 1s, Cycle	The GPS satellite is searching ;
	On 0.2S Off 1S Cycle	The GPS is fixed;

2. Press operation

Button	Pressing method	Functional Description
Tamper button	The released state changes to the pressed state, which lasts for 3 seconds;	<ol style="list-style-type: none"> 1. Installation detection; 2. Activate the terminal to switch to normal working state; 3. Reboot;
	The pressed state changes to the released state, which lasts for 10 seconds;	Removal detection;
	Short press the remove button 3 times;	Activate the device BLE configure function, which will shut down after 3 minutes of no data.
	Press once;	Power detection and indication;
Door button	From pressed to released, lasting for more than 3s;	Door opening detection;

(One of then)	From released to pressed, lasting for more than 3s;	Door closing detection;
	Short press the door detection button 5 times within 5 seconds (one of the door detection buttons)	Back to the power save mode;

3. Temperature and humidity logger

Procedure

1. Set the temperature and humidity detection interval (consistent with the alarm command) TEMPALM,SW,T1,T2,H1,H2,M,D1,D2#
2. Turn on the temperature and humidity data recording function, PRINT,ON#
3. Set data printing, PRINT,DATA#

ps: Only supports serial port transmission. When the PRINT,DATA# command is sent, the serial port is activated and data storage is suspended. According to the first-in-first-out principle, the serial port starts to print out the cached data. If PRINT,DATA# is sent again, printing will start again. The serial port will sleep for 1 minute after the data is printed.

4. Turn off the temperature and humidity data recording function, PRINT,OFF#
5. Clear the historical temperature and humidity data records, PRINT,CLEAR#

4. External battery

Connect the magnetic charging cable to check the current battery capacity:

LED status	Explanation
LED on	The battery is charging;
LED off	The battery is fully charged, or battery is abnormal;

Replacement of a battery with an incorrect type that can defeat a safeguard (for example the case of some lithium battery types);

- disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Compliance

1. FCC Compliance Statements

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.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.