



# LW012-CT Datasheet

Version 1.0

MOKO TECHNOLOGY LTD.

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## Introduction

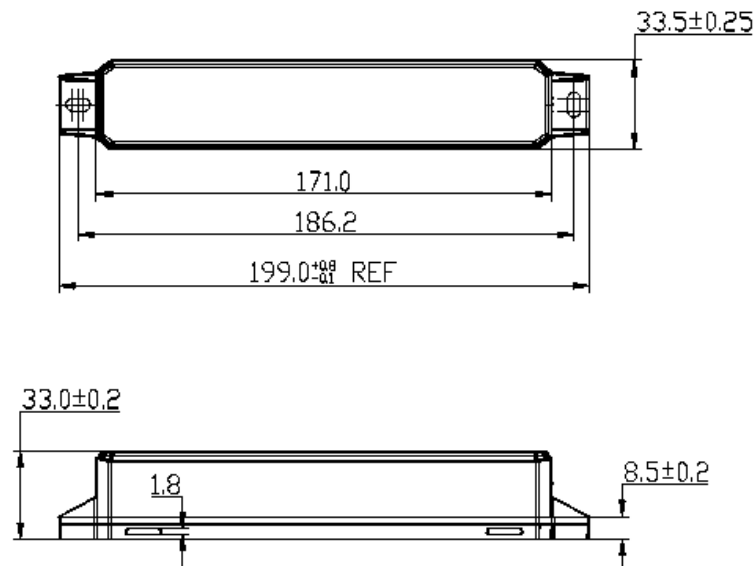
**LW012-CT** is a container tracker that combines LoRaWAN network transmission with Bluetooth and GPS fix technologies, it can be used for indoor and outdoor positioning.

Lw012-CT is suitable for asset tracking and logistic inspection, meanwhile it supports multiple working mode that makes it can be used for various application scenarios.

## Key Features

- Long strip design, easy installation on the edge of device
- Long wireless transmission distance
- Anti-demolition alarm
- Build-in accelerometer
- Multiple working mode
- IP67 rating

## Mechanical Size Description



## General Specifications

| Categories | Parameter      | Value                                  |
|------------|----------------|----------------------------------------|
| LoRa       | LoRa Protocol  | LoRaWAN V1.0.3                         |
| Wireless   | Lora Frequency | EU868/AU915/US915/AS923/IN865/KR920/RU |

|                            |                                               |                                    |
|----------------------------|-----------------------------------------------|------------------------------------|
| Specification              | 864/AS923-1/AS923-2/AS923-3/AS923-4           |                                    |
|                            | Tx Power                                      | Max 22dBm                          |
|                            | Sensitivity                                   | -137dBm@SF12                       |
|                            | LoRa Communication Distance                   | Up to 7 km (in urban open space)   |
|                            | Bluetooth® (BLE)                              | 4.2                                |
| BLE Wireless Specification | TX Power                                      | Max 4 dBm                          |
|                            | BLE Broadcast Distance                        | Up to 50m in free space            |
|                            | BLE Scan Distance (1M PHY)                    | Up to 150m in free space           |
| Power Supply               | Power Supply                                  | 8000 mAh replaceable battery       |
| Physical Specification     | Protection level                              | IP67                               |
|                            | Dimension                                     | 199*33.5*33mm                      |
|                            | Weight                                        | 194.8g                             |
| Application Specification  | Power Switch                                  | power button                       |
|                            | Operation Temperature/<br>Storage Temperature | -30℃ ~ 70℃                         |
|                            | Operation Humidity                            | 10%~90%                            |
|                            | Certification                                 | CE/FCC/Reach/RoHS pending approval |

## Ordering Information

| Product Type   | Description       | Notes                                                                                  |
|----------------|-------------------|----------------------------------------------------------------------------------------|
| LW012-CT US915 | Container Tracker | Subnet except US915 and EU868 also supported, please consult with moko before ordering |
| LW012-CT EU868 |                   |                                                                                        |

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#### FCC STATEMENT

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

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.

#### RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.