



LW006-E Datasheet

Version 1.0

MOKO TECHNOLOGY LTD.

www.mokosmart.com

Introduction

LW006-E is the smart badge that combines LoRaWAN network transmission with BLE, and GPS positioning technologies.

This combination allows for reliable indoor and outdoor positioning, making it ideal for ensuring staff safety, emergency alarm capabilities, and effective personnel management.

Key Features

- Long-range & Low-power communication
- Multi-mode positioning fusion
- Flexible alarm trigger
- Built-in accelerometer
- Multiple working mode
- IP67 water proof

Mechanical Size Description



General Specifications

Categories	Parameter	Value
------------	-----------	-------

LoRa Wireless Specification	LoRa Protocol	LoRaWAN V1.0.3
	Lora Frequency	EU868/AU915/US915/AS923/IN865/KR920/RU864/AS923-1/AS923-2/AS923-3/AS923-4
	LoRa Communication Distance	Up to 5 km (in urban open space)
BLE Wireless Specification	Bluetooth® (BLE)	V5.3
	BLE Broadcast Distance	Up to 50m in free space
	BLE Scan Distance (1M PHY)	Up to 150m in free space
Power Supply	Power Supply	1500 mAh rechargeable battery
Physical Specification	Protection level	IP67
	Dimension	96.5*61.6*10.0mm
	Weight	70g
Application Specification	Power Switch	power button
	Operation Temperature/ Storage Temperature	-20℃ ~ 60℃
	Operation Humidity	10%~90%
	Certification	CE/FCC/Reach/RoHS pending approval

Ordering Information

Product Type	Description	Notes
LW006-E US915	Smart badge	Subnet except US915 and EU868 also supported, please consult with moko before ordering
LW006-E EU868		

Warning Message

>Unless specifically indicated that it is safe to do so in the user guide or instruction manual do not use this device in an environment that exceeds the recommended low or high temperature

>Unless specifically indicated that it is safe to do so in the user guide or instruction manual, avoid exposing your device to direct sunshine or excessively wet environments.

>The recommended temperature range for devices and accessories is -20° C to 60° C (Charging temperature is 0°C to 45°)

>When Charging, please place the device in an environment that has a normal room temperature and good ventilation

>Do not use the product in any way other than described herein in order to avoid personal injury or property damage.

>User should comply with the laws and regulations of the corresponding countries and regions where the equipment is used, abide by professional ethics, pay attention to safety obligations, and strictly prohibit the use of our product or equipment for any illegal purposes. Our company will not be responsible for any

violators' legal liability under any circumstances.

>Replacing a battery with an incorrect type may bypass safeguards and create danger;

>Disposal of a battery in a fire or other source of significant heat, or by crushing, or cutting, may result in an explosion as well as leakage of flammable liquids and gases;

>Leaving a battery in an extremely hot environment may result in an explosion as well as leakage of flammable liquids and gases;

>A battery subjected to extremely low air pressure may result in an explosion as well as leakage of flammable liquids and gases.

FCC Radio Frequency Exposure Statement

>This device complies with the FCC RF exposure requirements for an uncontrolled environment. The output power of this device is so low that a Specific Absorption Rate (SAR) evaluation is not required.

FCC Statement:

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

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:

(1) Reorient or relocate the receiving antenna

(2) Increase the separation between the equipment and receiver.

(3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

(4) Consult the dealer or an experienced radio/TV technician for help.

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

MOKO TECHNOLOGY LTD.

 4F,Buidling2, Guanghui Technology Park,
MinQing Rd, Longhua, Shenzhen, Guangdong, China

 Tel:86-755-23573370-829

 Support_lora@mokotechnology.com

 <https://www.mokosmart.com>



FCC warning statements:

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.

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