



LW014-WB Datasheet

Version 1.0

MOKO TECHNOLOGY LTD.

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Introduction

LW014-WB is a wristband that combines LoRaWAN network transmission with Bluetooth and GPS fix technologies, it can be used for indoor and outdoor positioning.

Lw014-WB supports multiple alarms for indoor and outdoor emergency situation. With the wristband design, it's easy to wear and convenient to use. LW014 is applicable to hospitals, nursing homes, schools and factories.

Key Features

- Long-range & Low-power communication
- Multi-mode positioning fusion
- anti-accidental touch
- Shift-Long comfort, Weightless Wearing Experience
- Multiple working mode
- IP66 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
	Tx Power	Max 22dBm
	LoRa Communication Distance	Up to 5 km (in urban open space)
BLE Wireless Specification	Bluetooth® (BLE)	4.2
	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	300 mAh rechargeable battery
Physical Specification	Protection level	IP66
	Dimension	46.7*41.0*15.2mm
	Weight	41.9g
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
LW014-WB US915	Wristband	Subnet except US915 and EU868 also supported, please consult with moko before ordering
LW014-WB EU868		

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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.