

Multi-Functional  
Gateway Y-LGW0605  
Product Manual

# 1、Product List

1×Full-Function Gateway

1×12V Power Adapter

2×Antennas

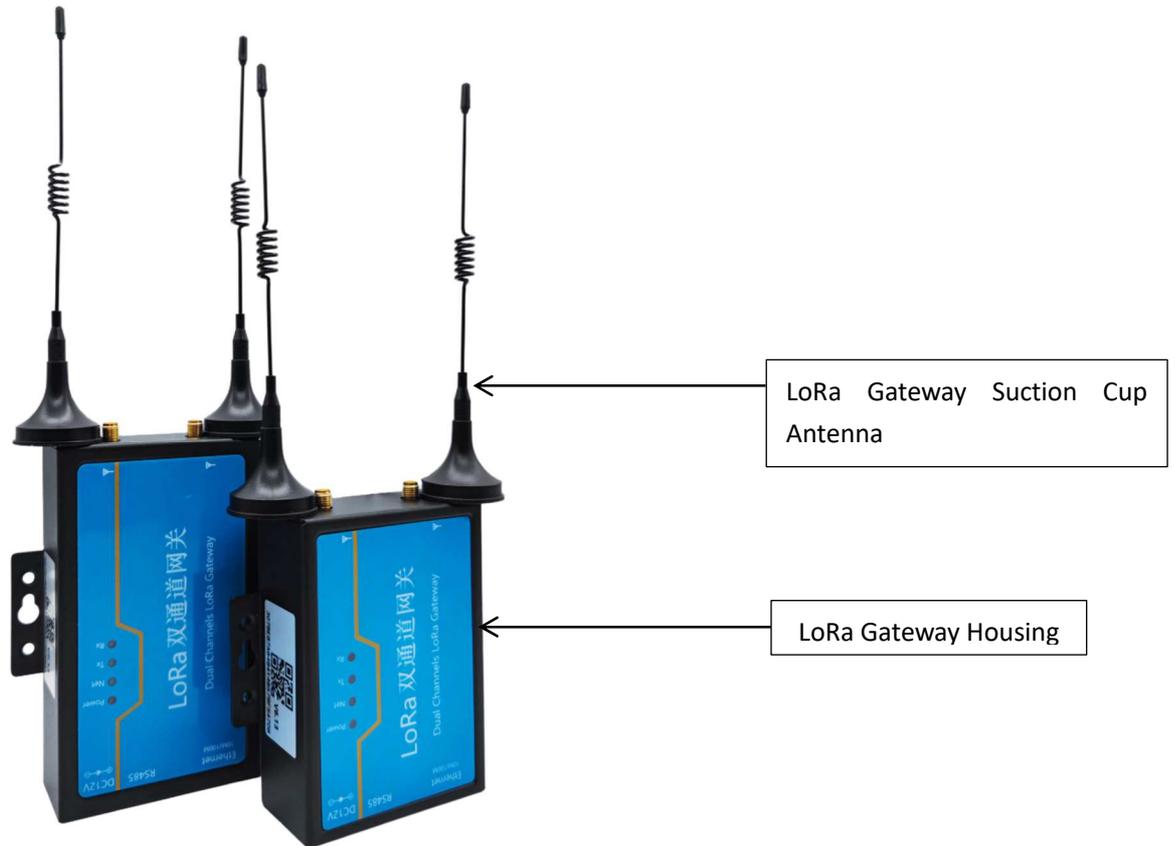
# 2、Product Features

NO.	Description	Details
1	Model	Y-LGW0605
2	Communication Method	Lora protocol between lock and gateway, network communication between gateway and server, external interface uses HTTP protocol
3	Connection Method with Switch	Direct connection via Ethernet
4	Communication Range	Up to 100 meters in open space with wireless locks (*actual distance depends on the environment)
5	Number of Locks Managed	A single gateway can manage up to 48 locks within communication range
6	Gateway Function	Configure wireless locks via wireless communication
		Control and read

### 3、 Technical Parameters

NO.	Description	Details
1	Operating Frequency	433.175MHz~434.575MHz
2	Channel Bandwidth	300kHz
3	Receive Sensitivity	-139dBm (BF=62.5 SF=12)
4	Communication Standard	LoRa Private Protocol
5	Encryption Method	AES128
6	Network Type	Star Self-Organizing Network
7	Uplink Interface	Ethernet
8	LoRa Antenna	External
9	Internet Connection Method	Direct connection via Ethernet cable, DHCP enabled
10	Power Supply	DC12V
11	Gateway Dimensions	100*93*30mm
12	Package Dimensions	193*183*63mm
13	Weight	520g

### 4、 Product Structure



## 5、 Installation Guide

- ① Connect the gateway to the Ethernet cable.
- ② Plug into a 220V power source to start using.

## 6、 Notes

Warning: Changes or modifications to this unit 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

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

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