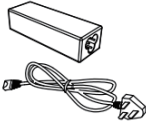


LoRaWAN Type III Outdoor Gateway

Quick Start Guide

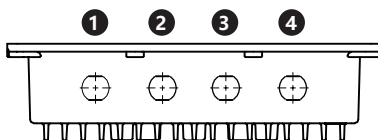
1. Packing List

		
LoRaWAN Type III Outdoor Gateway	POE and POE Power Cord 1	Network Cable 1
		
Micro USB Cable 1	Fiberglass Antenna (Half-duplex 4 / Full-duplex 5)	Antenna Extension Cable (Half-duplex 1 / Full-duplex 2)
		
Lightning Protector 1	Right Angle Steel Plate Accessories & Screws 1	
		
POE Connection Cable External Connector Cap 1	Wrench 1	Certificate of Conformity and Quick Installation Manual

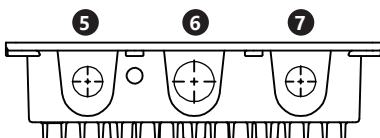
* If any of the above items are damaged, missing, or if you have other accessory requirements, please contact your agent or sales representative promptly.



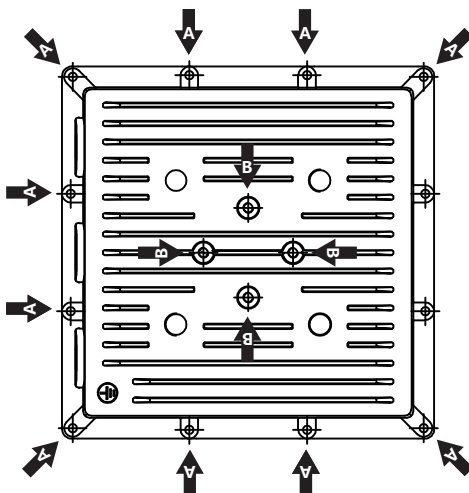
2. Interface Introduction



Interface Number	Interface Definition
1	4G MAIN Antenna
2	WIFI Antenna
3	LORA TRX Antenna
4	LORA RX Antenna (for full-duplex use)



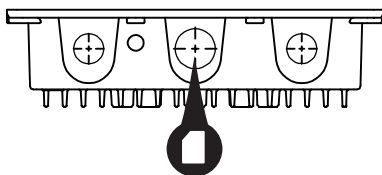
Interface Number	Interface Definition
5	4G DRX Antenna
6	SIM Card Installation Interface & SIM Card Slot
7	POE Network Cable Port (Data + Power)



- A** The bottom stud holes are for connecting the top housing to the device body. A total of 12 screws. After removing them, the top cover can be opened for device maintenance.
- B** Structural mounting screw holes. A total of 4 screws for easy fixing of the device to other installation locations.

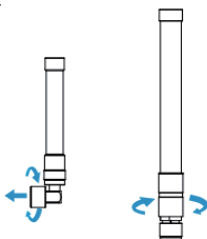
3. Accessory Installation

- Step 1:** Twist open the SIM card plug slot. Insert the SIM card into the SIM card slot according to the indicated position. Ensure the metal contacts of the card face downwards. To remove the card, press and slide the clip on the right side of the SIM card slot.

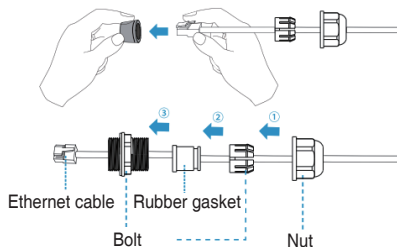


! The gateway does not support hot-swapping. Please power off the device before inserting or removing the SIM card.

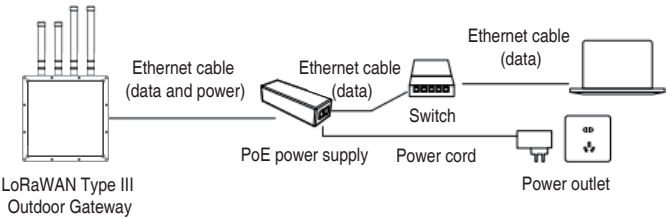
- Step 2 :** Install external antennas
- Install the corresponding antennas according to the hardware diagram. When installing the 4G antenna and the WIFI antenna, screw the antenna into the interface and try to point it upwards. When installing the LORA antenna: if using a long antenna, an N-type male to N-type male feeder cable is required for connection. Refer to the installation diagram (Long LORA antenna requires a patch cable for connection).



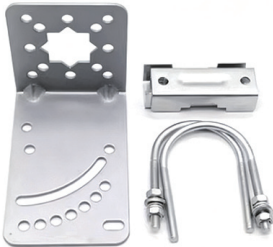
- Step 3 :** Connect the ethernet cable cable and power cord to the corresponding ports on the POE power supply according to the port labels. When connecting the ethernet cable, pass it through the waterproof gland, connect it to the device's Ethernet port, then screw the gland onto the device and tighten it.



4. POE Connection Diagram



5. Right Angle Steel Plate Mounting Diagram



Installation Diagram



6. Accessing the Gateway Configuration Page

Ensure the gateway device is operating normally.

6.1. Connect to the gateway device using USB

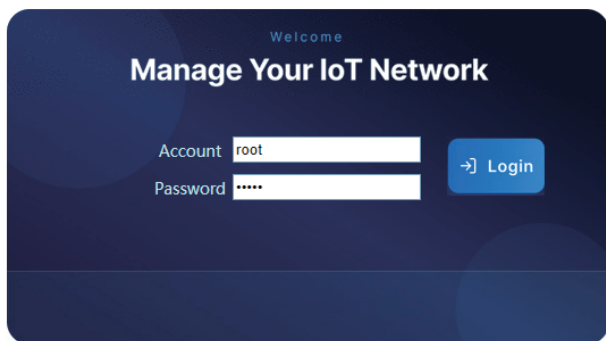
At the bottom of the SIM card holder, there is a reserved Micro USB port. Use the provided Micro USB cable to connect one end to the gateway device and the other end to a computer. Enter the default gateway address **192.168.0.100:8088** in your computer's web browser to access the web configuration page login interface.

6.2. Connect to the gateway device using an Ethernet cable

Connect the POE & network cable correctly as shown in sections 3 and 4. Log in to the device via ADB or use IPCONFIG to obtain the gateway device's IP address. Append the port number ":8088" to the IP address to access the gateway's web configuration page login interface.

6.3. Access the login page

After correctly connecting to the gateway device, use the corresponding IP address to access the gateway web page via a computer browser. Example for USB access: "http://192.168.0.100:8088/default/login.html"



Welcome

Manage Your IoT Network

Account

Password

→ Login

6.4. Log in to the gateway using the default credentials

The default username is: root
The default password is: admin

 RIVA IoT

sign out

MENU

DeviceInfo

Information

Upgrade

System

NetworkInfo

Network

MBN

Policy

Ethernet

WIFI

LoraWAN

ParameterConfig

DeviceList

FreqAnalysis

MessageRecord

Mode

Log

LogList

Device info

 Device basic information

Device Name	LoraGW-III
Gateway ID	8695290336087930
Hardware Version	LGW-III.D_Reach-US915-NA
Software Version	1.1.6
EMMC	None
ETH0	88E1512

Refresh

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FCC Caution.

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.

Any 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.

FCC Radiation Exposure Statement:

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