Dusun IoT 081 Series Industrial Edge Computing Gateway User Manual

Contents

Dusun IoT 081 Series Industrial Edge Computing Gateway

Product Usage Instructions

- Take out the guide rail bracket and corresponding screws attached to the product body.
- Fix the guide rail bracket on the product body with screws as shown.
- Refer to the installation statement to successfully insert related components into the product ontology interface.
- After completing the previous steps, align the product installation guide rail with the equipment box's guide rail.
- Lower the installation guide rail by pressing the spring and hook it into place.
- Fasten the grounding wire to the grounding screw hole using M4 screws.
- After installation, carefully check if the product is properly installed without shaking issues.
- Ensure cables are neatly arranged and hidden.
- The antenna direction can be freely rotated according to the available installation space.

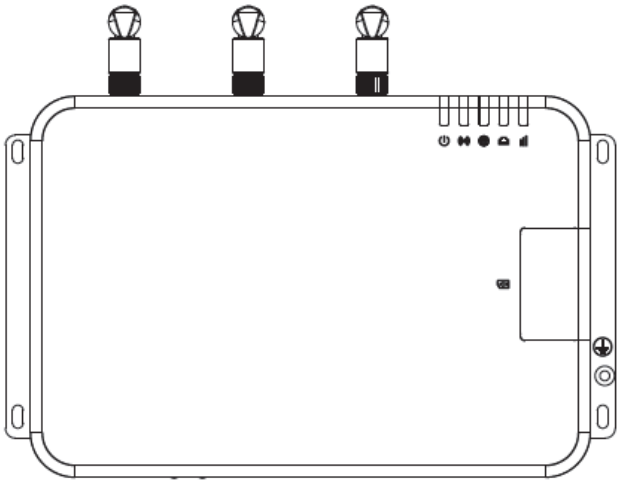
FAQ

- **How do I reset the Gateway to factory settings?**
  - To reset the Gateway, use a paperclip to press the pinhole User button for 15 seconds. Press and hold for 5 seconds to enter onboarding mode.

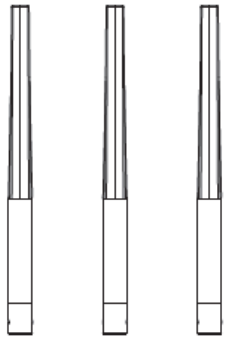
Product List

Accessory	Quantity	Accessory	Quantity
Gateway	1	User Manual	1
Antenna	3		

- Power adapter is the optional accessory



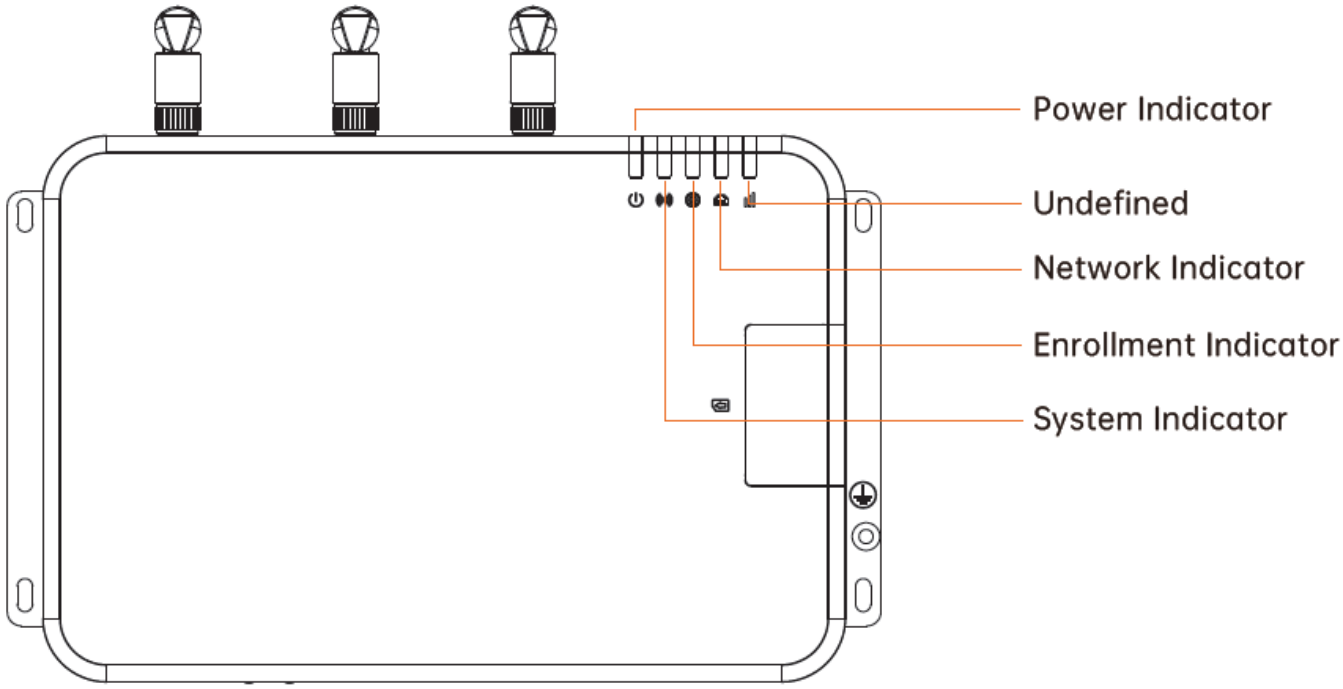
Gateway



Antenna

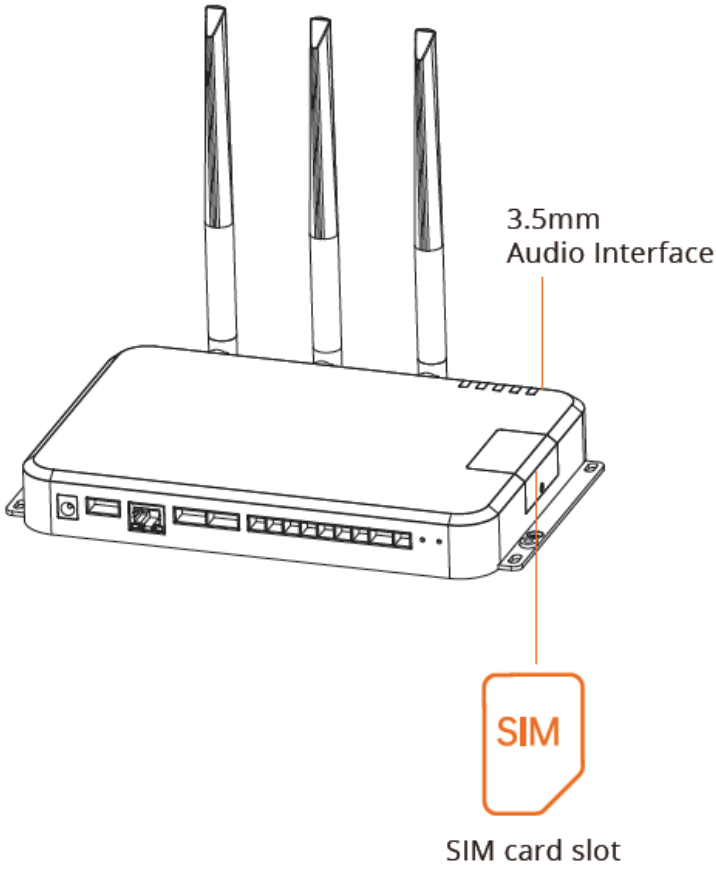
User Manual

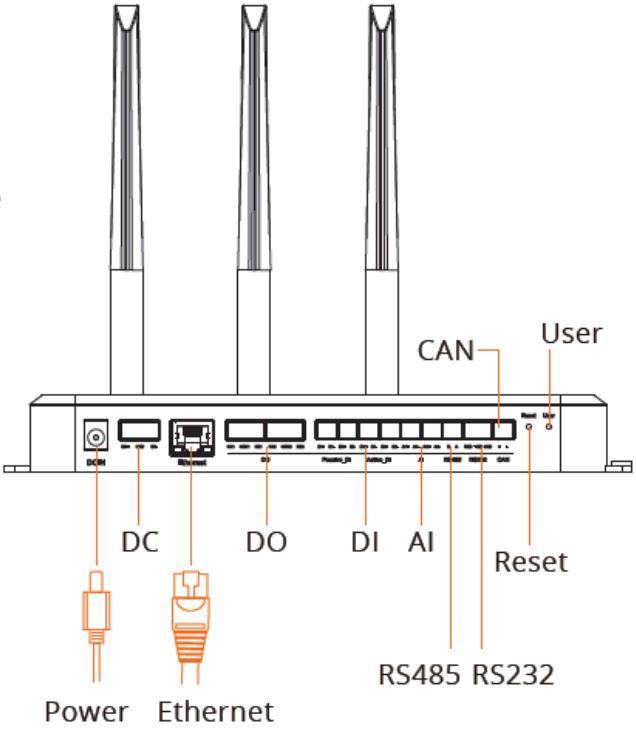
Indicator Description



Power Indicator	The green light stays on when powered on, otherwise, it goes out
System Indicator	The green light flashes when the system is starting up and stays on when the system completely booted up
Enrollment Indicator	When the device is enrolling wireless protocol, the green light flashes
Network Indicator	When the gateway is not connected to the MQTT server,the green light stays on. When the gateway connected to the MQTT server,the green light turns off
Undefined	Undefined

Unpacking Description

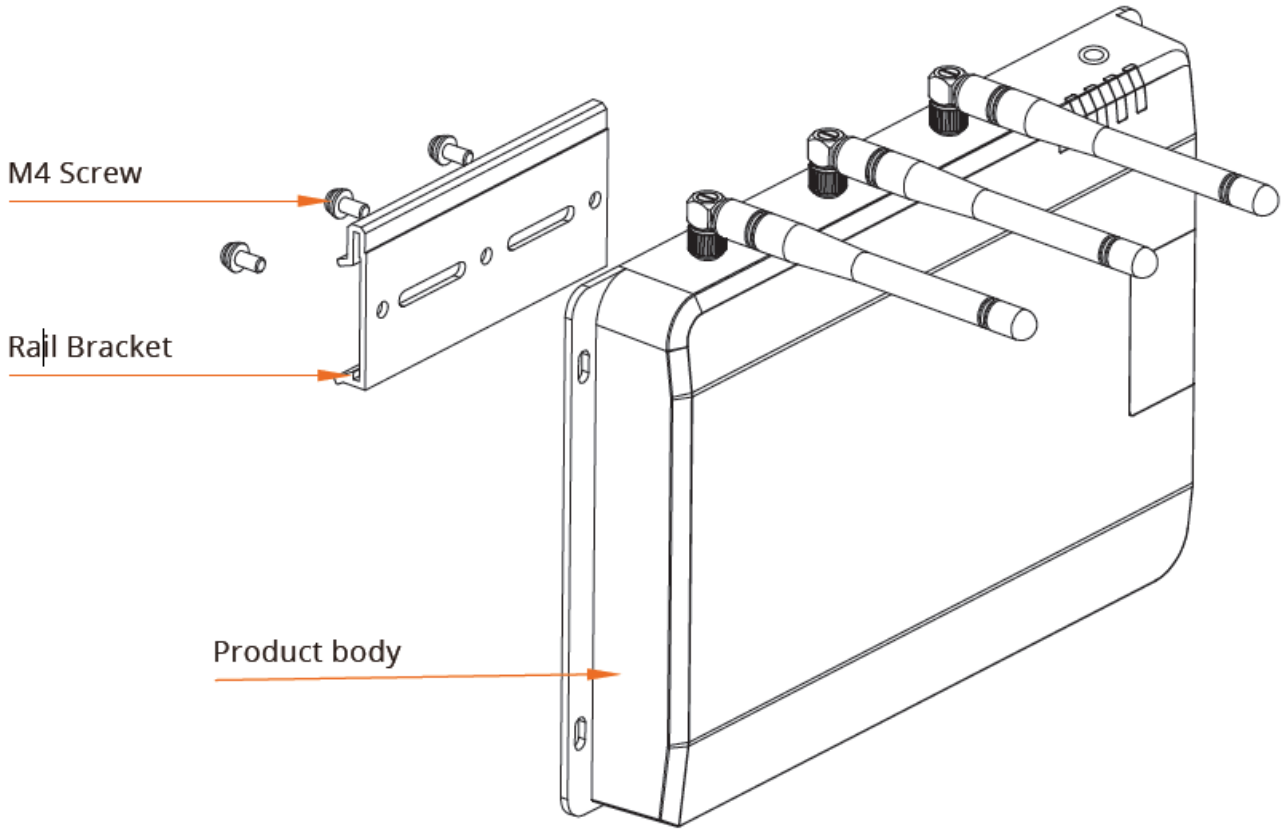




Reset Hole	Restart gateway
User	To reset the Gateway to its original factory settings, use a paperclip to press the pinhole User button for 15 seconds
	Press and hold for 5 seconds, and the gateway enters onboarding mode

How to install

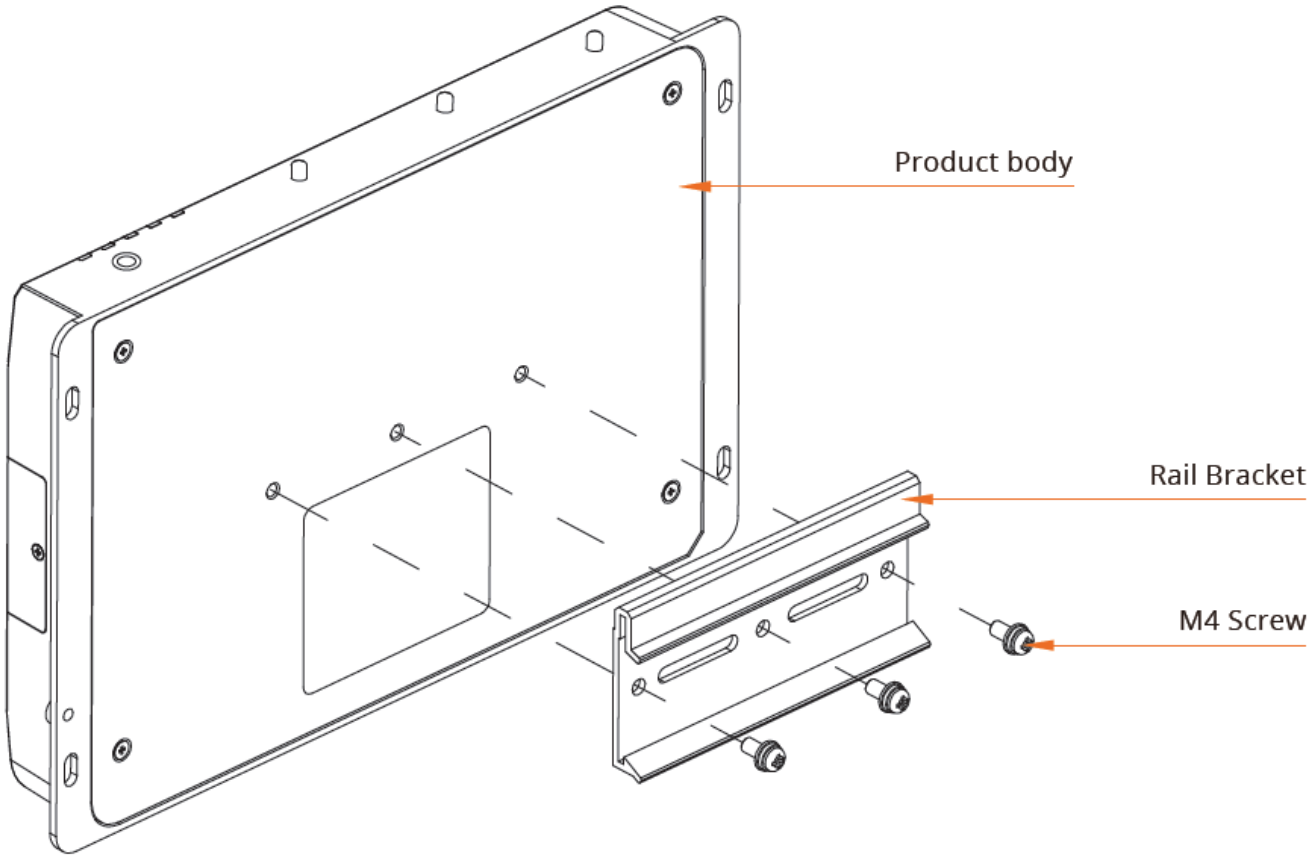
- Product assembly component drawing



Install the rail bracket

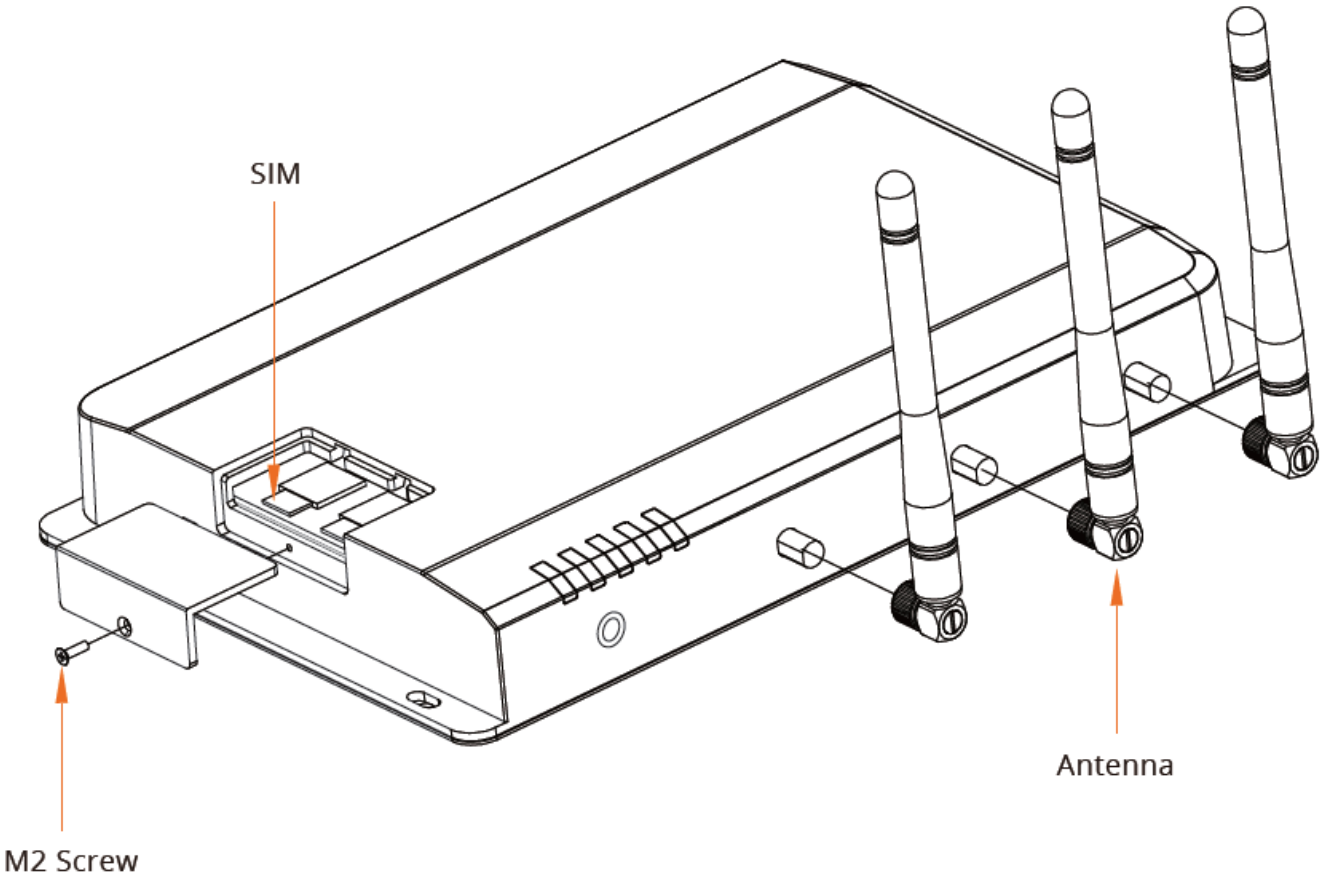
Step 1: Installing positioning stickers

- Take out the guide rail bracket and corresponding screws attached to the product body and packaging, and fix the guide rail bracket on the product body with screws as shown in the direction below.



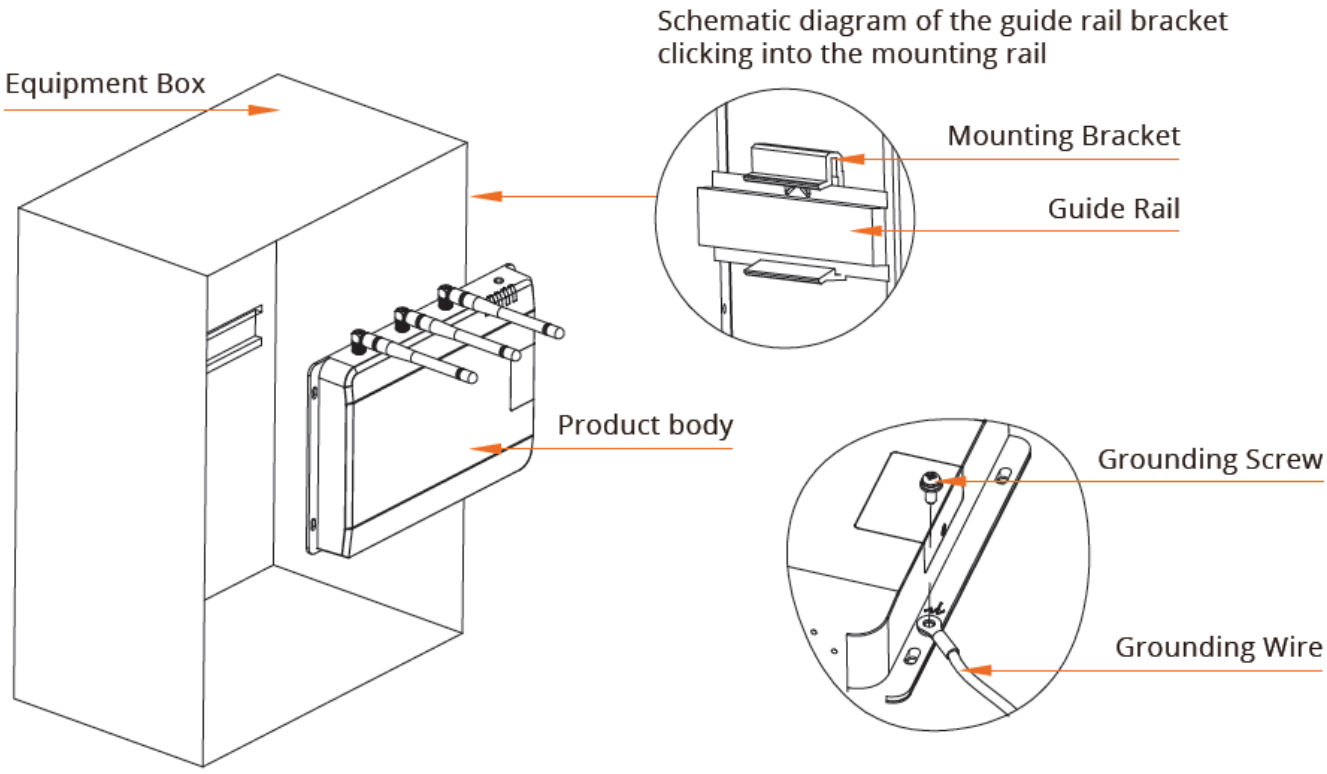
Step 2: Install the product ontology interface

- Refer to install the product ontology interface statement, and successively insert related components.



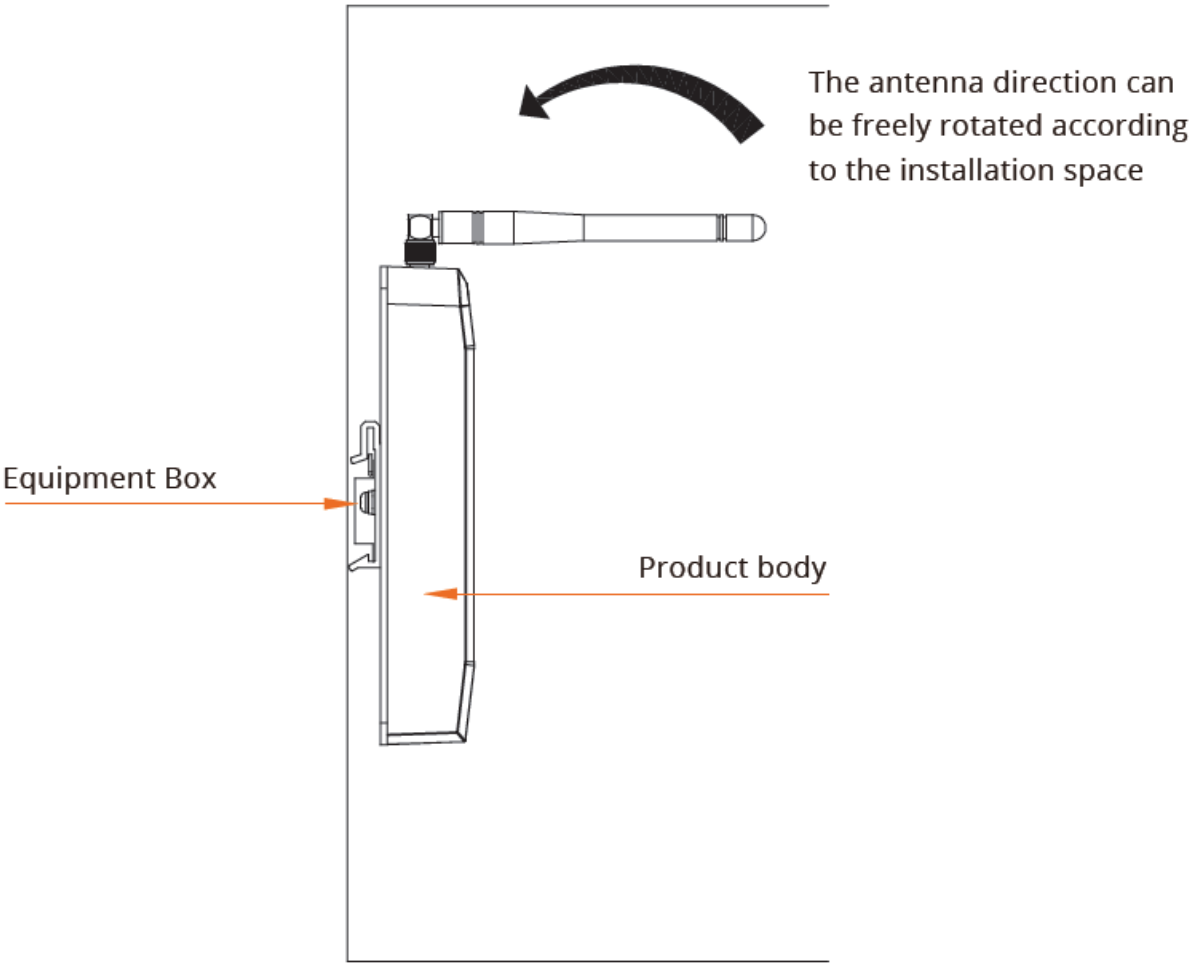
Step 3: Guide rail installation product body

After the second step is completed, align the product installation guide rail with the position of the guide rail inside the equipment box, contact the upper part of the guide rail and press the spring to lower the installation guide rail, Push the hook into the guide rail, and then release it. Then fasten the reserved grounding wire to the product grounding screw hole with M4 screws in the way shown in the figure.



Step 4: Check the installment status

Finished step 3, need to carefully check whether the product is properly installed, all smooth, obvious shaking problem, clear the cable and power cable, need to hide as far as possible, cannot be naked at will.



For detailed software configuration, please scan the QR code

- Dusun Support: **https://support.dusuniot.com**

Basic Parameters

Category	Specification Description
CPU	ARM NXP i.MX6ULL, Cortex-A7,800MHz
RAM	512MB
Storage	8GB
RS232/RS485	1 * RS232, 1* RS485
Power Supply	Input: DC 12V/2A
Network Interface	1 x 100Mbps WAN/LAN variable
Operating System	Debian 11
Indicator LEDs	Power Indicator, System Indicator, Enrollment Indicator, Network Indicator
Environment	Operating Temperature -40°C~70°C Storage Temperature -40°C~85°C Operating Humidity 5%~95% non-condensing

Installation Method	DIN-Rail, Flat
I/O Port	4 digital input channels DI State “1”: +10~+30V State “0”: 0~+3V 2 digital output channels DO Maximum load 5A@30VDC or 250VAC 2 analog input channels AI Current signal: 0-20mA, 4-20mA Voltage signal 0-5VDC, 0-10VDC. Choose one of the above 4 ranges

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to thefollowing two conditions:

1. this device may not cause harmful interference
2. this device must accept any interference received, including interference that maycause undesired operation.

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, according 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 under 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 the receiver.
- Connect the equipment to 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.

To comply with FCC RF exposure requirements, a minimum separation distance of 20 cm must be maintained between the user's body and the transmitter.

Documents / Resources

	Dusun IoT 081 Series Industrial Edge Computing Gateway [pdf] User Manual CTGXZL63, 2ATQ2-CTGXZL63, 2ATQ2CTGXZL63, 081 Series Industrial Edge Computing Gateway, 081 Series, Industrial Edge Computing Gateway, Edge Computing Gateway, Computing Gateway, Gateway

References

- Dusun IoT Wiki Platform - Getting Started | Dusun wiki
- User Manual