

# Baicells

SRT853L 5G Outdoor CPE

Quick Start Guide

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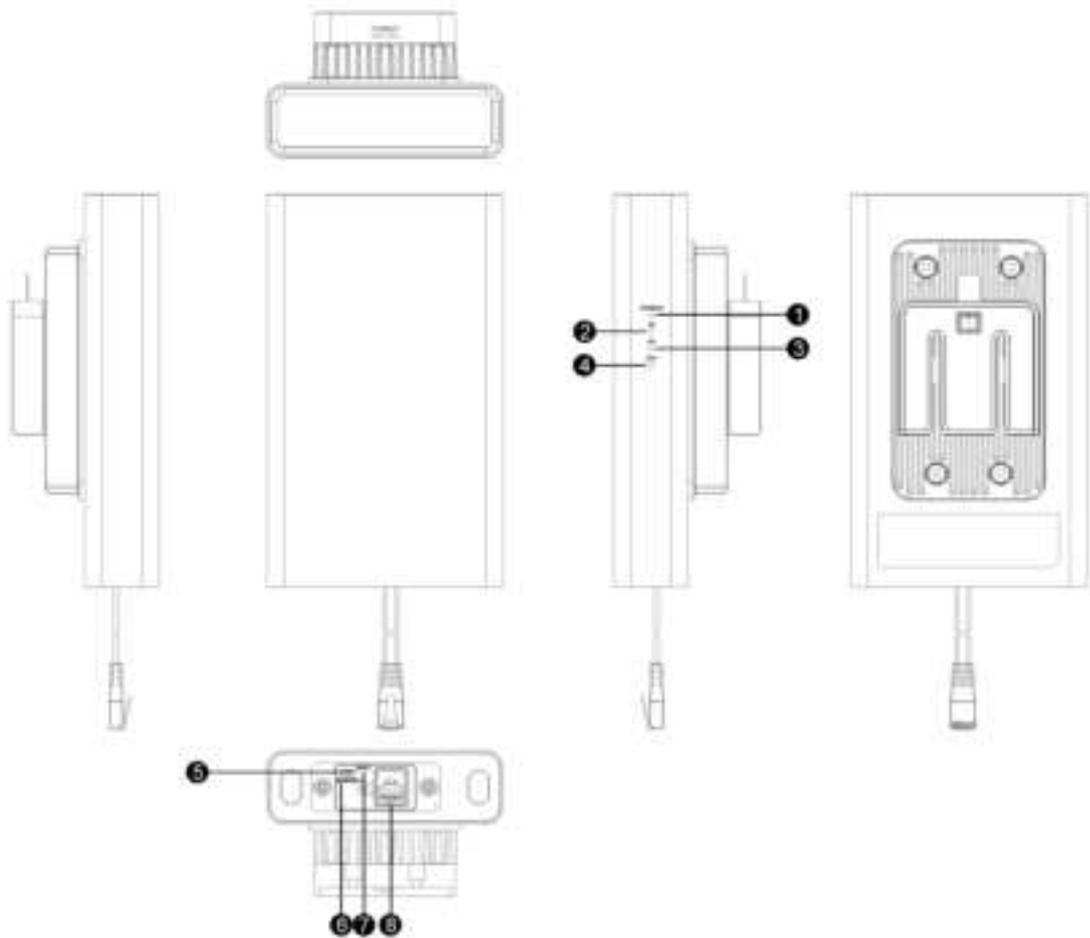
**SRT853L**  
**5G Outdoor CPE**

**Quick Start Guide**

# 1 Device overview

Your device is for outdoor use. Computer, router or switch can be connected to the device to access the 5G/4G Internet.

The following figure is only for your reference. The actual product may be different.



1. mmWave indicate led
2. 5G indicate led
3. 4G indicate led
4. Ethernet Port indicate led
5. Micro-USB port
6. Standard nano-SIM card slot
7. Reset button
8. POE port

The LED indicators display the router's status.

Indicator	Color	Status	Function
5G LED	Blue	Solid	Strong 5G signals and have no dial up
		Blinking	Strong 5G signals and dial up success
	Green	Solid	Medium 5G signals and have no dial up
		Blinking	Medium 5G signals and dial up success
	Yellow	Solid	Weak 5G signals and have no dial up
		Blinking	Weak 5G signals and dial up success
	Red	Solid	During boot up or not registered to network
		Off	Registered to 4G network and have no registered to 5G network in NSA mode or power off
4G LED	Blue	Solid	Strong 4G signals and have no dial up
		Blinking	Strong 4G signals and dial up success
	Green	Solid	Medium 4G signals and have no dial up
		Blinking	Medium 4G signals and dial up success
	Yellow	Solid	Weak 4G signals and have no dial up
		Blinking	Weak 4G signals and dial up success
	Red	Solid	During boot up or not registered to network
		Off	Registered to 5G network in SA mode or power off
mmWave LED	Green	Solid	Registered to mmWave network
		Off	Not registered to network or during boot up
ETH LED	Green	On	Connect to Ethernet network or PC
		Off	Not connect to Ethernet network or PC
	Green	Blinking	Data transfer

**Note:**

*It's suggested to select a location with best signal quality to install (strong 5G/4G signals).*

## 2 Installation Materials and Tools

Packing list: Before installing the ODU, verify that you have all the items listed in the packing list. If any of the items is missing or damaged, contact your ODU device vendor.

Item	Qty
ODU CPE	1
QSG	1
Accessories	1
Anchoring screws	2
Hose clamp	1
Ethernet cable	1
Power adapter	1

If you need to install mounting kits on wood materials, prepare screws (recommended model: ST4.2 with length  $\geq 25$  mm).

An outdoor Ethernet cable requires a PVC conduit and must be installed far away from the parapet and lightning strip (recommended distance: more than 0.5 m).

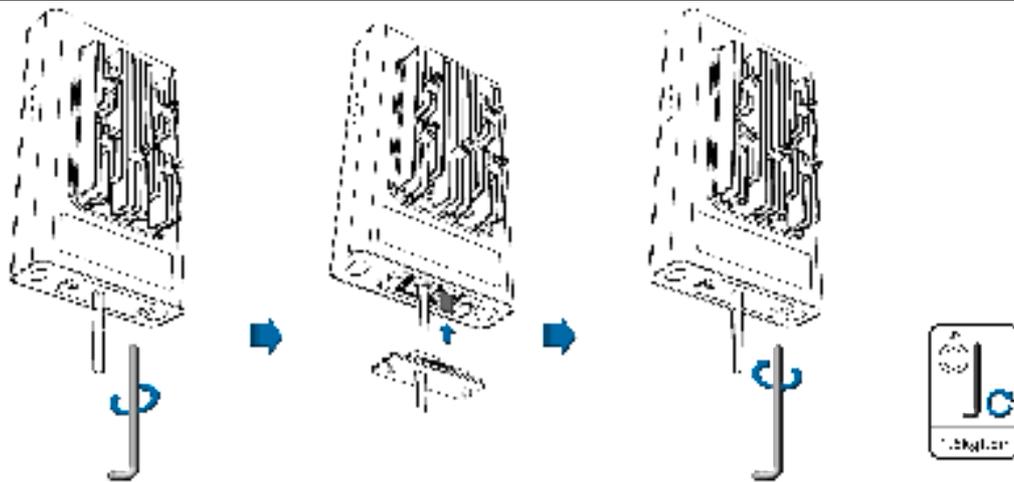
If an Ethernet cable is routed within a street lamp pole, no PVC conduit is required.

## 3 Installing the SIM Card

Your ODU only supports the nano-SIM card. You can get a standard nano-SIM card from your service provider.

Follow the instructions as below to install the SIM card:

1. Use a hexagon bar to open the SIM Card cover.
2. Insert the SIM card into card slot in the correct position.
3. Use a hexagon bar to close the SIM Card cover.

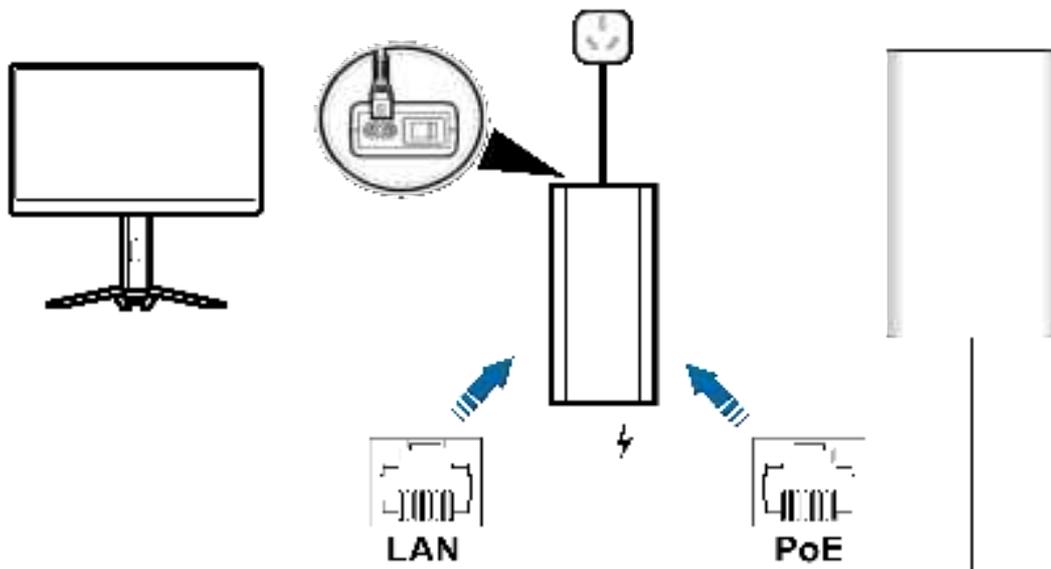


**Notes:**

*Do not bend or scratch your SIM card, and avoid exposing the SIM card to static electricity, water or dirt.  
Tighten screws to prevent water from entering the ODU.*

## 4 Application Scenario

Connect cables and power on the device as below, and then your PC can access the internet.



**⚠ CAUTION**

*The LAN interface only can be connected to the ODU. If the ODU is connected to another one, the customer's own ODU or computer network interface may be burned out*

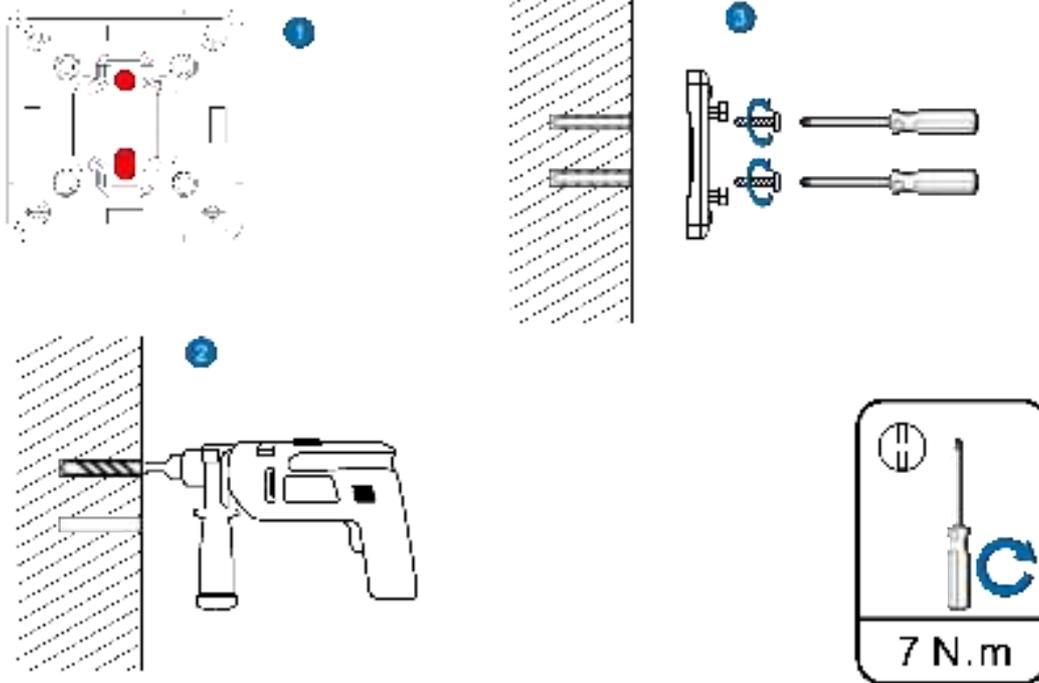
**Note:**

*PC/user terminals should be set with automatically to obtain IP address.*

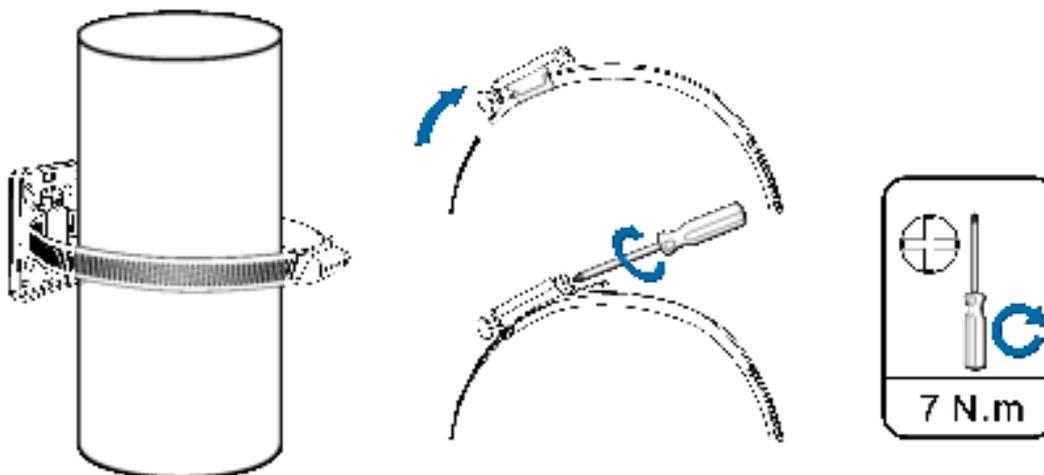
## 5 ODU Installation

1. Install mounting kits.

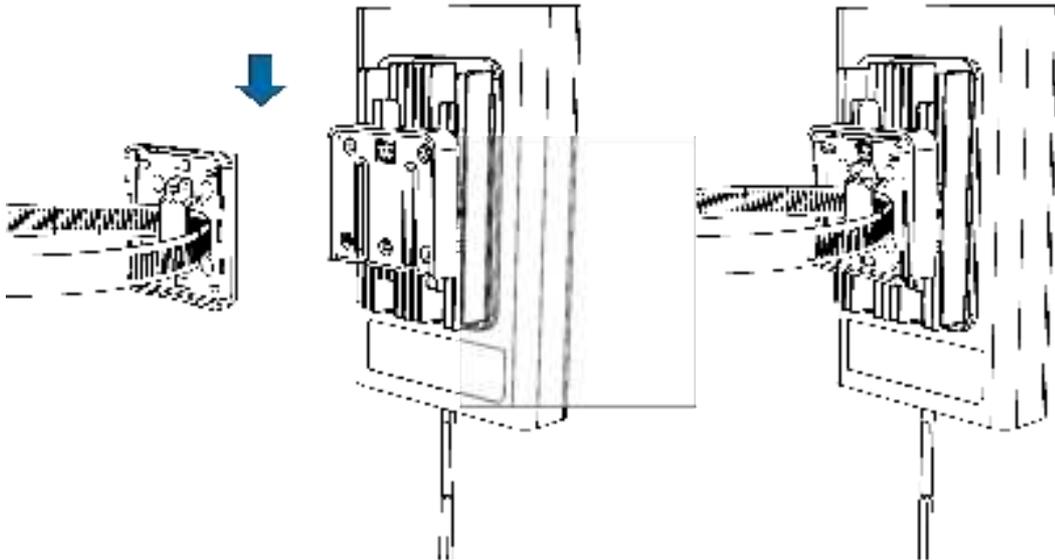
**Installation scenario 1:** mounting on the wall



**Installation scenario 2:** mounting on a pole



2. Align the mounting slot with the guide rail and press down. When you hear the click sound, the installation is in place. You can press the buckle on the mounting kits and pull the device up to remove it.



3. Connect the Power Adaptor of the ODU with Ethernet cable. See Application Scenario Chapter to connect cables and power on the device.

## 6 Configuration the device via website

1. Make sure your device, such as PC, is connected to the ODU via RJ45 cable.
2. Open your browser on the PC, and input `http://192.168.1.1` in the address bar.
3. Enter username and password, and click “Login”, then you can access the WebUI. The administrator has the right to check and modify configuration permission.

### Notes:

- You can find the default username and password printed on the device label on the back of the device.
- It's strongly suggested to change the default login password of the GUI to prevent unauthorized users from changing the device's settings.



## 7 Restore Factory Settings

You can restore the factory defaults that come with the device to reconfigure the device settings.

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1. Log in to the WebUI and click the “Reset” button under the "Management->Reboot & Reset" to restore your device to its factory default settings.
  2. It has a pinhole type reset button beside the USB port, press and hold “Reset” button over 3 seconds, the device will restart with restored factory default settings.

**Note:**

*Resetting will delete all the device’s user-defined settings and restore all settings to their factory default values.*

## 8 Q&A

### Q: What to do if there is no service?

A: The possible reasons are unstable network signal or a hardware problem.

You can try the following solutions:

1. If your device inside a building or near a structure that may be blocking the signal, change the position or location of the device. For example, try moving the device close to opposite direction.
2. Check the hardware for any loose parts or damage.

### Q: What if my SIM card gets locked out?

A: If the SIM card is locked, log in to the GUI (<http://192.168.1.1>) and input the PIN or PUK code you received from your service provider.

**Note:**

*If you entered the incorrect PIN code 3 times, the PUK will be needed, and if the wrong PUK is entered 10 times, the SIM card will be locked permanently.*

### Q: Data connection failed.

A: You may be on a limited network coverage area, try to move to a different location or a better network coverage area.

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## **Q: What If the device is not responsive?**

A: You can try restoring the device to its default factory settings.

## **9 To the Owner**

- Some electronic devices, such as the electronic system of vehicles, are susceptible to electromagnetic interference sent by your device if inadequately shielded. Please consult the manufacturer of your device before using if necessary.
- Operating your device may interfere with medical devices like hearing aids and pacemakers. Please always keep them more than 20 centimeters away from such medical devices when they are turned on. Turn your device off if necessary. Consult a physician or the manufacturer of the medical device before using your device.
- Be aware of the usage limitation when using your device at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed. Turn off your device if required.
- The use of electronic transmitting devices is forbidden in aircrafts, at gas stations, and in hospitals. Please observe and obey all warning signs and power off your device in these conditions.
- Do not touch the inner antenna area if not necessary; it will affect your device's performance.
- Store your device out of the reach of little children. Your device may cause injury if used as a toy.
- Do not touch the metallic parts of your device when the device is operating as this may cause burns.

## **10 Using Your Device**

- Please use original accessories or accessories that are authorized. Using any unauthorized accessories may affect your device's performance, and violate related national regulations about telecom terminals.
  - Avoid using your device near or inside metallic structures or establishments that can emit electromagnetic waves; it may influence signal reception.
  - Do not use your device immediately after a sudden temperature change. In such case, it will produce moisture inside and outside your device. Wait until it becomes dry.
  - During storage, transportation, and operation of the device, keep it dry and prevent it from colliding with
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other objects.

- Handle your device carefully. Do not drop, bend, or strike it; your device may get damaged.
- No dismantling by non-professionals and only qualified technicians can undertake repair work.
- An operating temperature range of -40°C to +50°C and humidity range of 5% - 95% are recommended.

## 11 FCC Compliance

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.

### Warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 220cm between the radiator & your body.

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