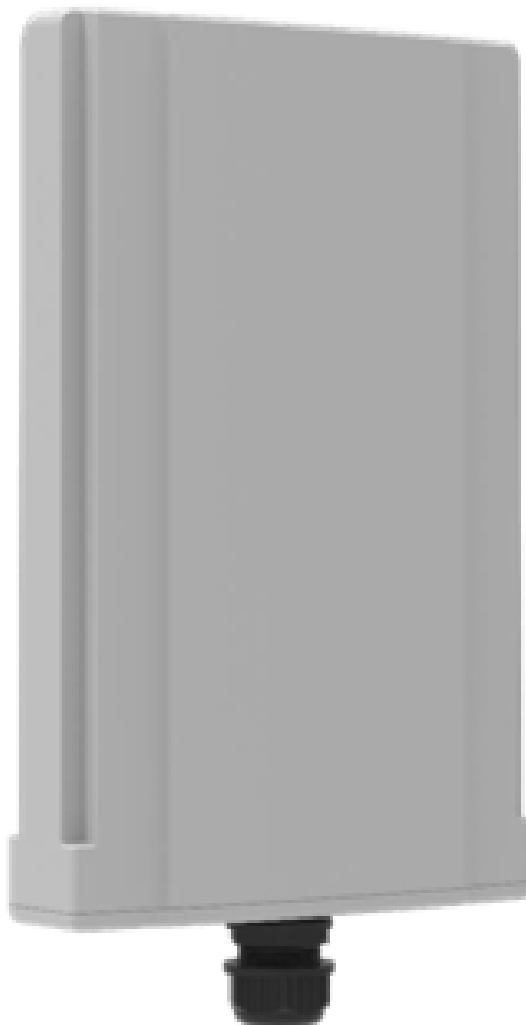




**GLOBAL TELECOM**  
WE ENGINEER CONNECTIVITY

# Quick Start Guide

## TITAN 5100 5G Window CPE



## 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 20cm between the radiator & your body.

## FCC Warning

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.

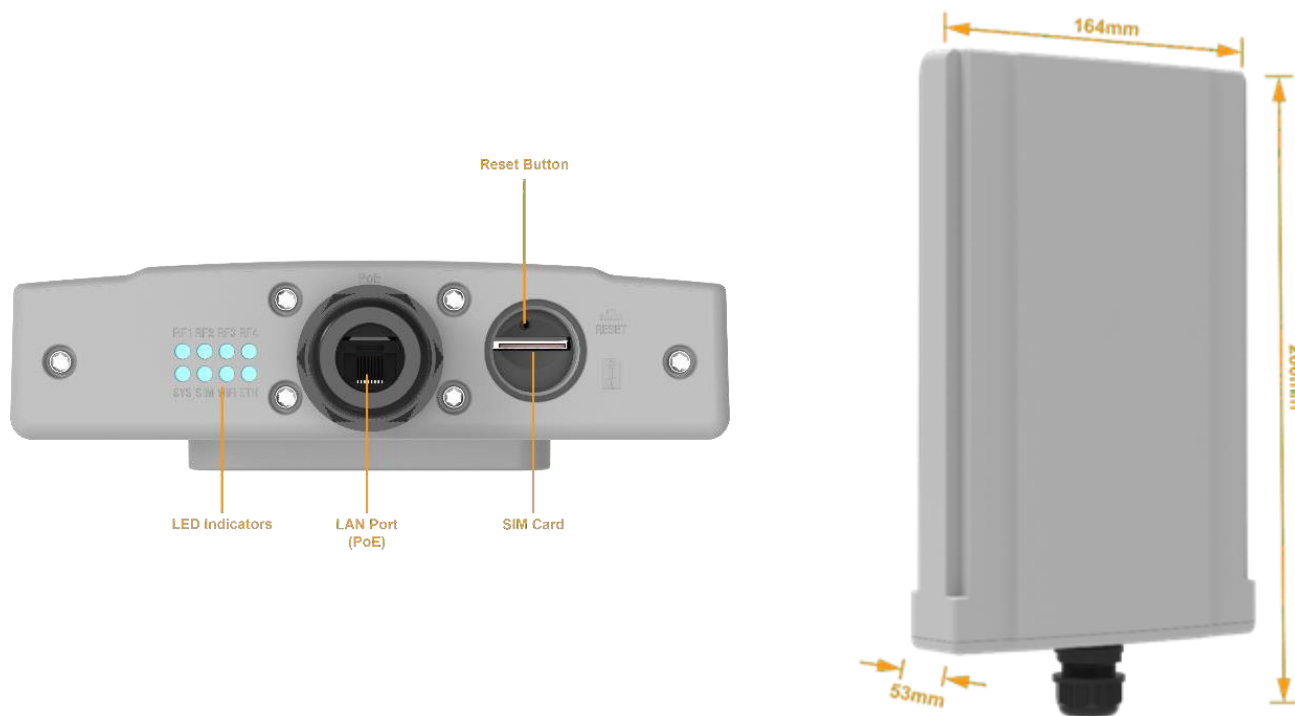
**NOTE 1:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can 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.

**NOTE 2:** Any 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.

## OVERVIEW

The TITAN 5100 is highly innovative and patented 5G window & wall mounted CPE product designed to enable quick and easy 5G fixed data service deployment for residential and SOHO customers. It provides high speed LAN services to end users who need both bandwidth and multi-media data service in enterprise or home. It can also be used to support wireless fallback service.



## USER INTERFACE SPECIFICATION

Model	Description & User Interface
TITAN 5100	<ul style="list-style-type: none"> <li>• 1 RJ45 10/100/1000/2500M LAN port</li> <li>• SYS, MOD, ETH, Wi-Fi, RF (4 Signal intensity LEDs)</li> <li>• PoE DC 48V, Power &lt; 18 Watts (Average)</li> <li>• Dimensions: 286 mm (L) × 164 mm (W) × 53 mm (D)</li> <li>• Weight: &lt; 2Kg</li> <li>• Operating Temperature: -40°C to 65°C</li> <li>• Storage Temperature: -40°C to 85°C</li> </ul>

## PACKING LIST AND CPE UNIT

Upon receiving the product, unpack the product packaging carefully. Each product is shipped with the following items:

Products	Quantity
Main Unit	1
Clamp	1
Mounting Brackets	1
Suckers	4
ETH Cable 2.0M	1
PoE Adapter	1
Power Cord 1.5M	1
Quick User Guide	1

If any items are missing, please contact your local distributor immediately.

## INSTALLING THE EQUIPMENT

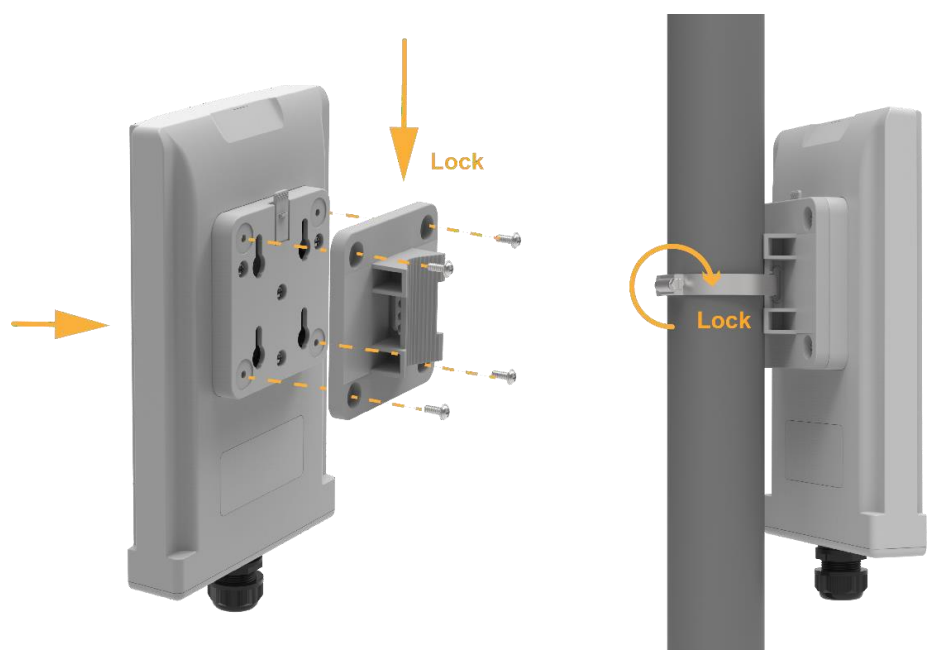


Open the SIM card cover, insert the SIM card and connect the ETH cable.

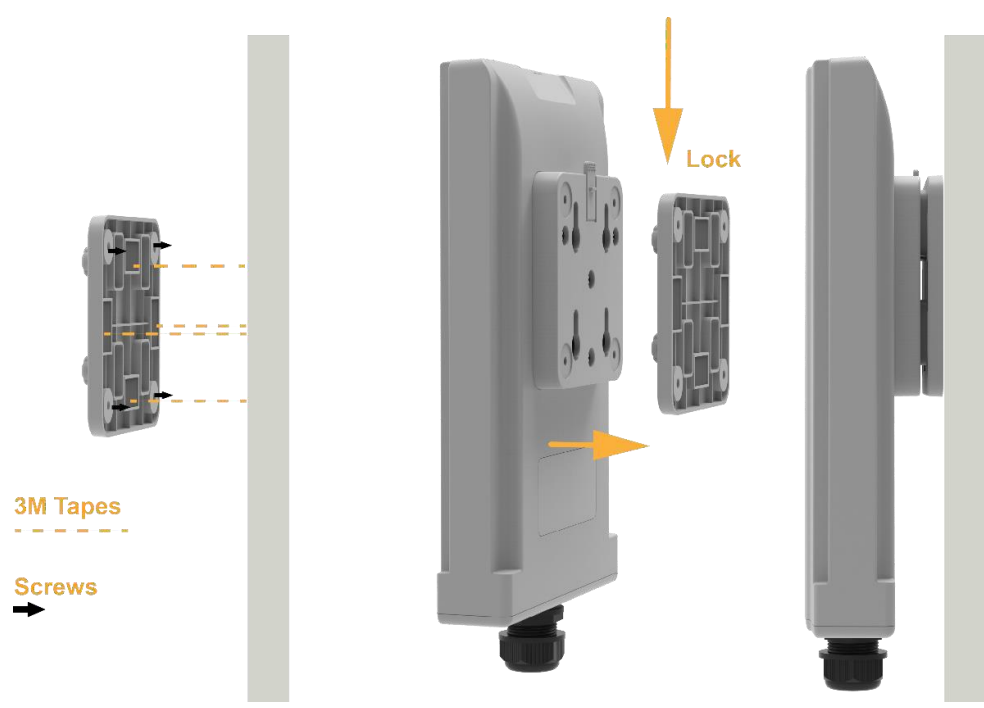


The user should use SFTP CAT5E Ethernet cable and connect to the appropriate LAN port.

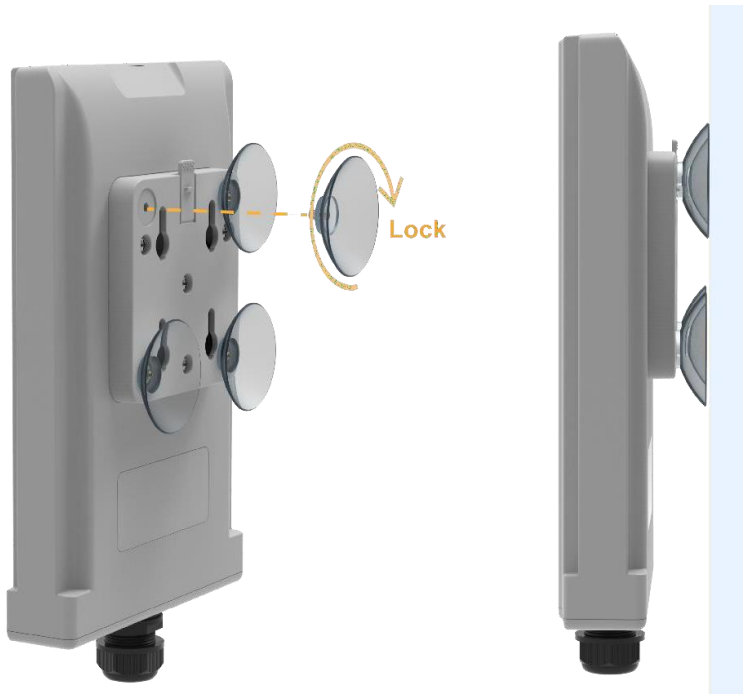
### Clamp Poll Mounting Option (Preferred Method)



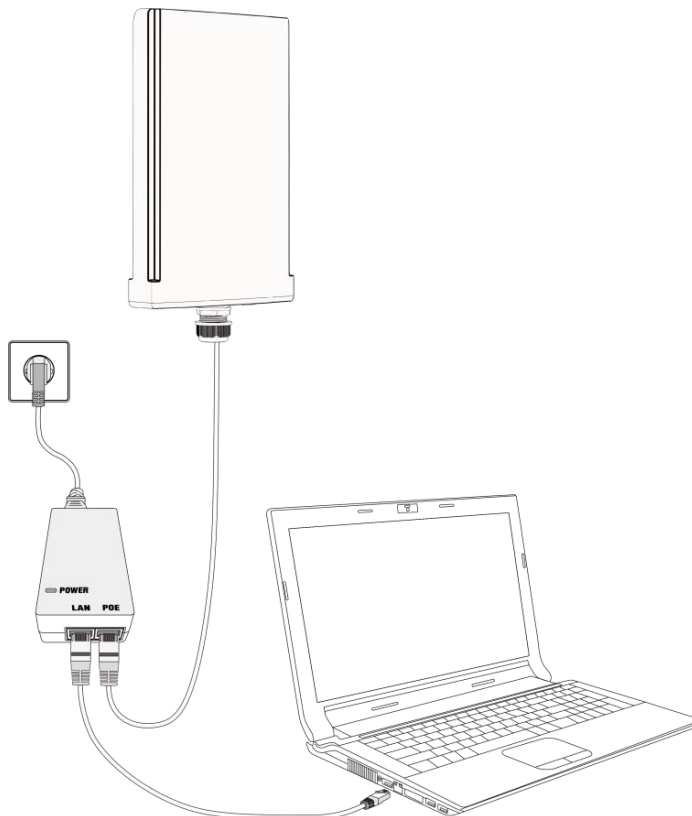
### Bracket Wall Mounting Option (3M Tape or Screw)



## Suction Cap Window Mounting Option



## Connecting the Device



## WEB LOGIN

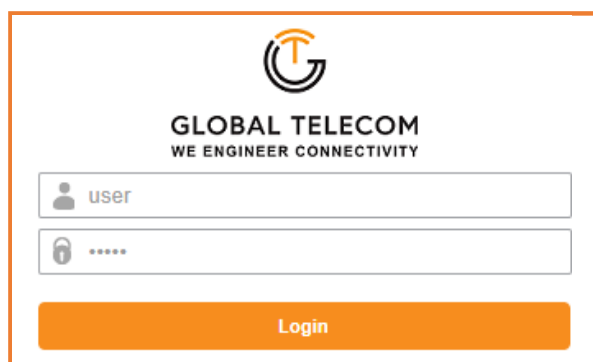
It is recommended that you log in to the device by using a web browser from a PC that is connected to the device's LAN port.


To log in, open a web browser and type: <http://192.168.0.1> in the address bar. A window will pop-up requesting a password.

Input the user login password and then click the "Login" button. After successfully logging in, the default home page will appear.

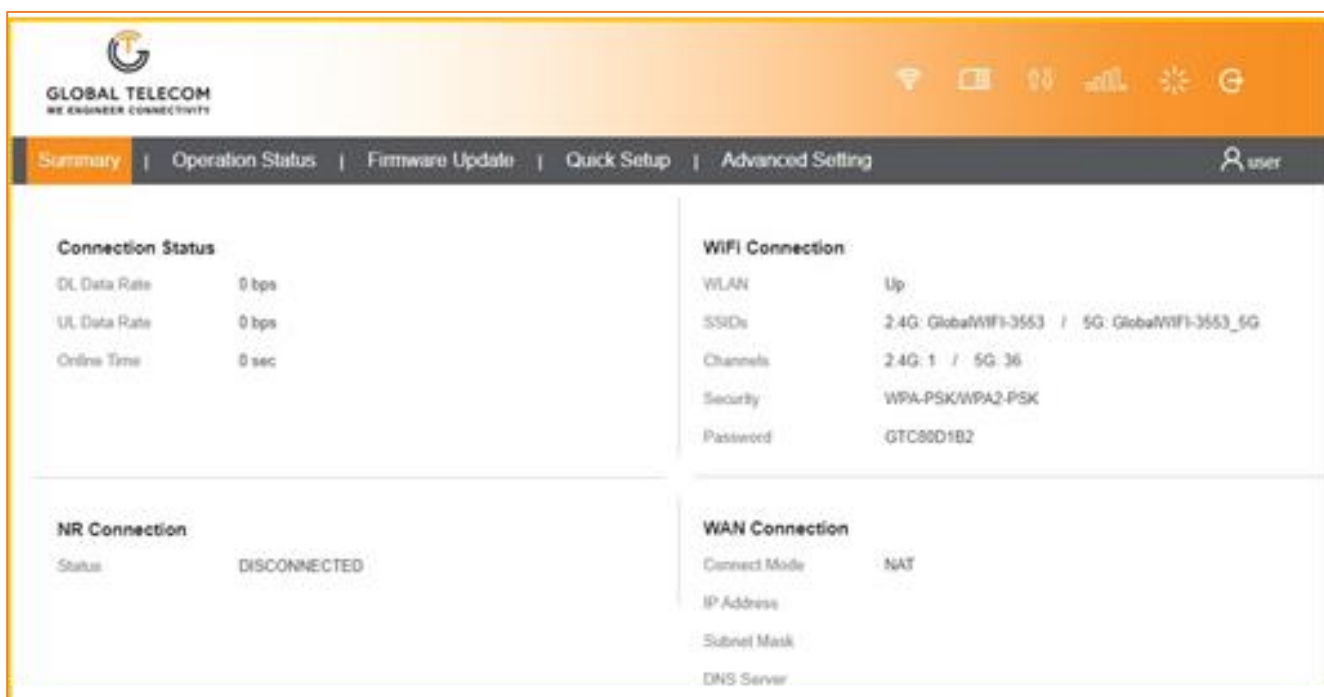



The default username is **"user"** and default password is **"admin"**.



  
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**Login**



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Summary | Operation Status | Firmware Update | Quick Setup | Advanced Setting user

Connection Status	
DL Data Rate	0 bps
UL Data Rate	0 bps
Online Time	0 sec

WiFi Connection	
WLAN	Up
SSIDs	2.4G: GlobalWiFi-3553 / 5G: GlobalWiFi-3553_5G
Channels	2.4G: 1 / 5G: 36
Security	WPA-PSK/WPA2-PSK
Password	GTC80D1B2

NR Connection	
Status	DISCONNECTED

WAN Connection	
Connect Mode	NAT
IP Address	
Subnet Mask	
DNS Server	

## LED DISPLAY

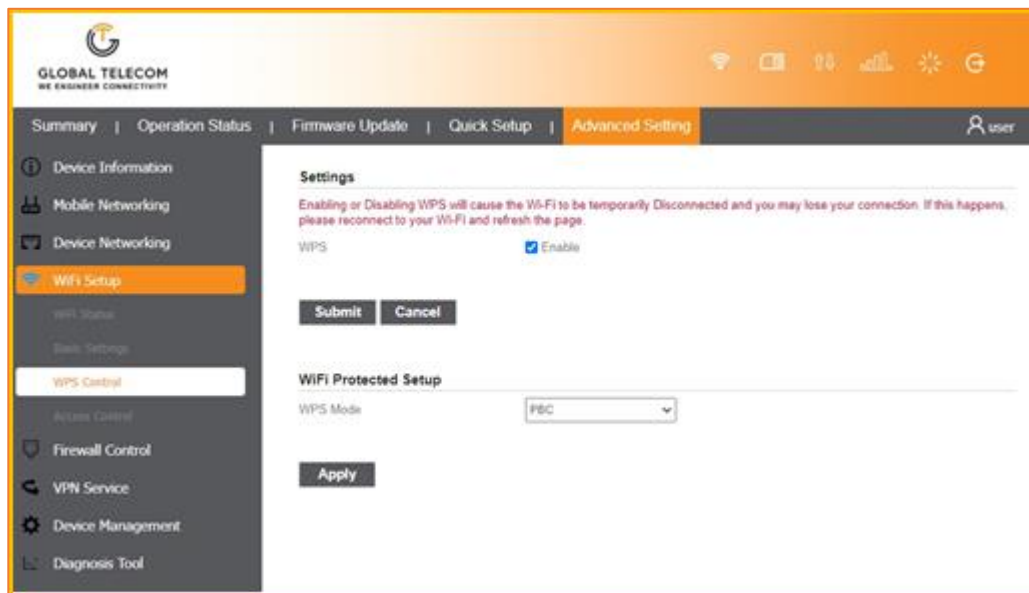


LED	Function	Description
SYS	System run indicator	Blinking green – Device is powered on. Solid green – Mobile network link is up and operational.
SIM	SIM card indicator	Light is on – SIM card state is ready, Blinking Green – SIM card is error.
Wi-Fi	Wi-Fi indicator	Light is on –Wi-Fi is on.
ETH	LAN port status	Solid Green – LAN port is connected. Blinking Green –LAN port in operation.
RF (4 Blue LEDs)	RF Signal Strength	OFF – No wireless connection is established RF1: -123dBm <= RSRP < -105dBm RF2: -105dBm <= RSRP < -95dBm RF3: -95dBm <= RSRP < -85dBm RF4: -85dBm <= RSRP



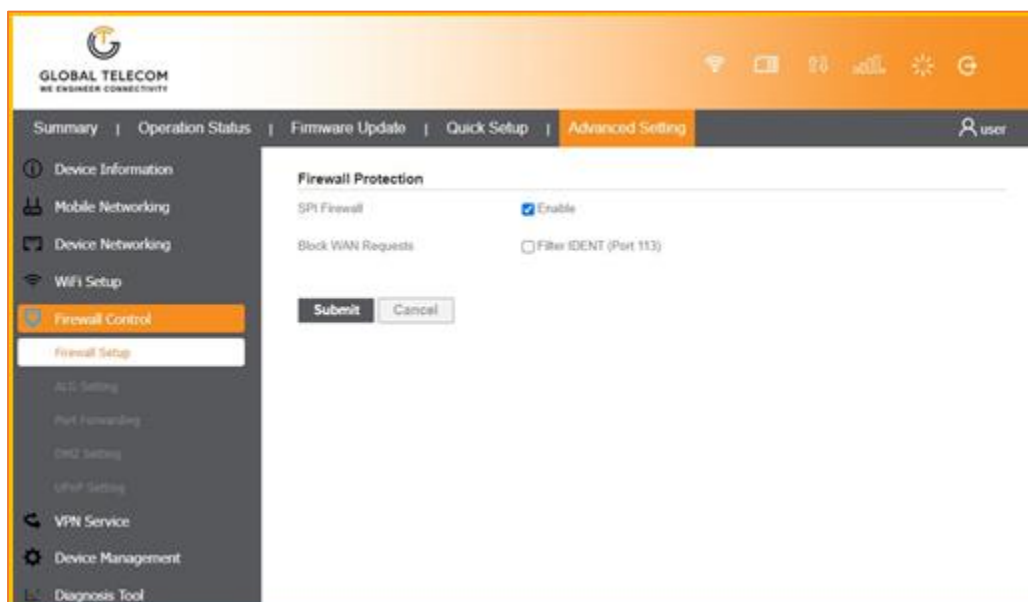
## WPS

The device integrates WPS function. When you need to use this function, please configure and enable according to the prompts on the page.



## FIREWALL CONTROL

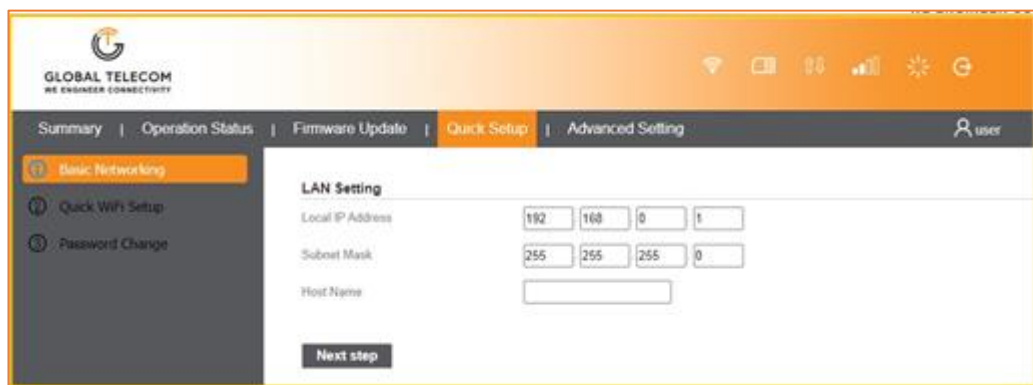
The device integrates basic firewall functions, as well as DMZ, port forwarding, UPnP and other functions. Adjust the setting of these functions according to the needs of you web application.



## QUICK SETUP

Login from a web browser: <http://192.168.0.1> The default username is "user" and default password is "admin". Once you have logged in, select Quick Setup. The equipment's management webpage integrates a user-friendly configuration guide page, allowing you to quickly configure the LAN interface, device WIFI, and device management password parameters in just 3 steps.

First, configure the LAN interface information to specify the device's management address.

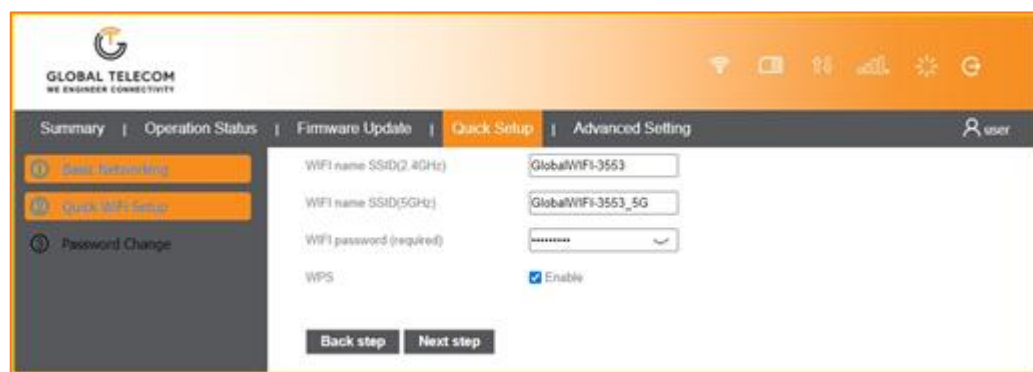


The screenshot shows the 'Quick Setup' page for LAN configuration. The navigation bar includes 'Summary', 'Operation Status', 'Firmware Update', 'Quick Setup', and 'Advanced Setting'. The left sidebar has 'Basic Networking' selected, with sub-options for 'Quick WiFi Setup' and 'Password Change'. The main content area is titled 'LAN Setting' and contains the following fields:

- Local IP Address: 192 | 168 | 0 | 1
- Subnet Mask: 255 | 255 | 255 | 0
- Host Name: [Empty text box]

A 'Next step' button is located at the bottom of the form.

Second, configure the WIFI SSID and password information, as well as whether the WPS function is enabled.

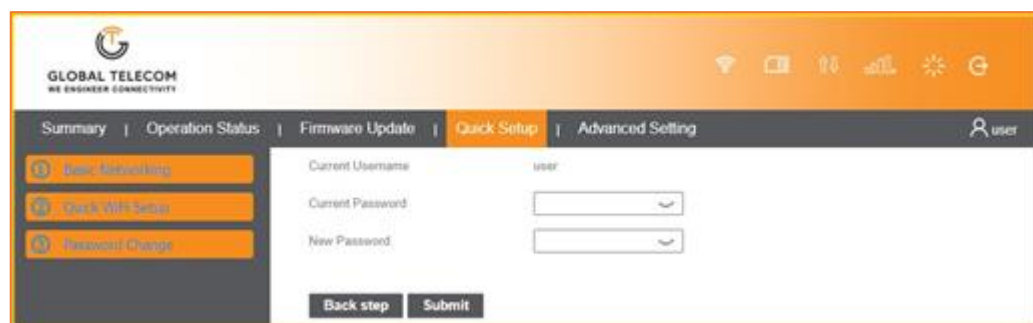


The screenshot shows the 'Quick Setup' page for WiFi configuration. The navigation bar and sidebar are the same as in the previous screenshot. The main content area is titled 'WiFi Setting' and contains the following fields:

- WiFi name SSID(2.4GHz): GlobalWiFi-3553
- WiFi name SSID(5GHz): GlobalWiFi-3553\_5G
- WiFi password (required): [Masked password]
- WPS:  Enable

'Back step' and 'Next step' buttons are located at the bottom of the form.

Last, modify the devices management access password.



The screenshot shows the 'Quick Setup' page for password change. The navigation bar and sidebar are the same as in the previous screenshots. The main content area is titled 'Password Change' and contains the following fields:

- Current Username: user
- Current Password: [Masked password]
- New Password: [Empty text box]

'Back step' and 'Submit' buttons are located at the bottom of the form.

## HARDWARE RESET

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In case of the need for a password reset, the device can be reset by pressing (using a pin) the reset button next to the SIM card slot for 10 seconds and then wait for the CPE to reboot and complete the restart. The user can then be allowed to use the original default login password to gain access to the unit WEB GUI again.



## TROUBLESHOOTING

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### **Q1: My PC cannot connect to the CPE.**

- Check the PoE adapter LED is on, and the CPE & PC ETH cables are securely connected. The CPE LED should work as described.
- Check the PC NIC driver is properly installed and configured.

### **Q2: My CPE networking is not working properly.**

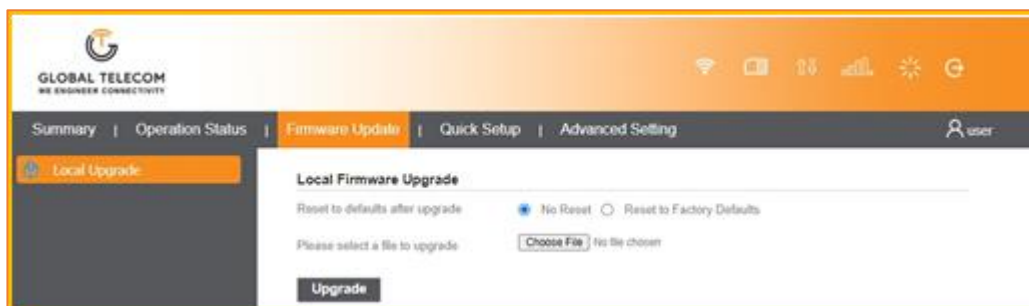
- Check and make sure you are within the mobile network coverage area and the unit is attached to the network.
- Check with your data provider that the SIM card is activated.

### **Q3: Unable to connect internet while the device is already connected to mobile network.**

- Check and verify your computer has proper NIC interface configured (DHCP or static IP). Unplug the PC ETH cable and reconnect again if required.
- If necessary, you may reboot the CPE by power off/on the CPE unit.

## FIRMWARE UPDATE

To perform a software update on the device, find the software upgrade page in the device management page and select the upgrade file for the device according to the prompts on the screen. The device upgrade operation supports the choice of restore factory settings or not. Please operate according to needs.



## MAINTENANCE

The Advanced Setting page gives options to reset the device, restore factory default settings, and perform and restore operations for device configuration.

