GLOBAL TELECOM
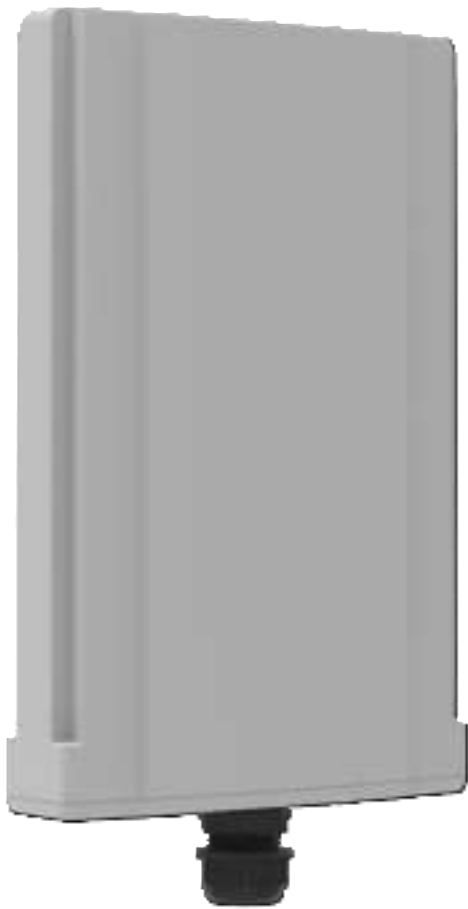## WE ENGINEER CONNECTIVITY

TITAN 5100
5G Window CPE
Quick User Guide

PLEASE READ THESE SAFETY PRECAUTIONS!

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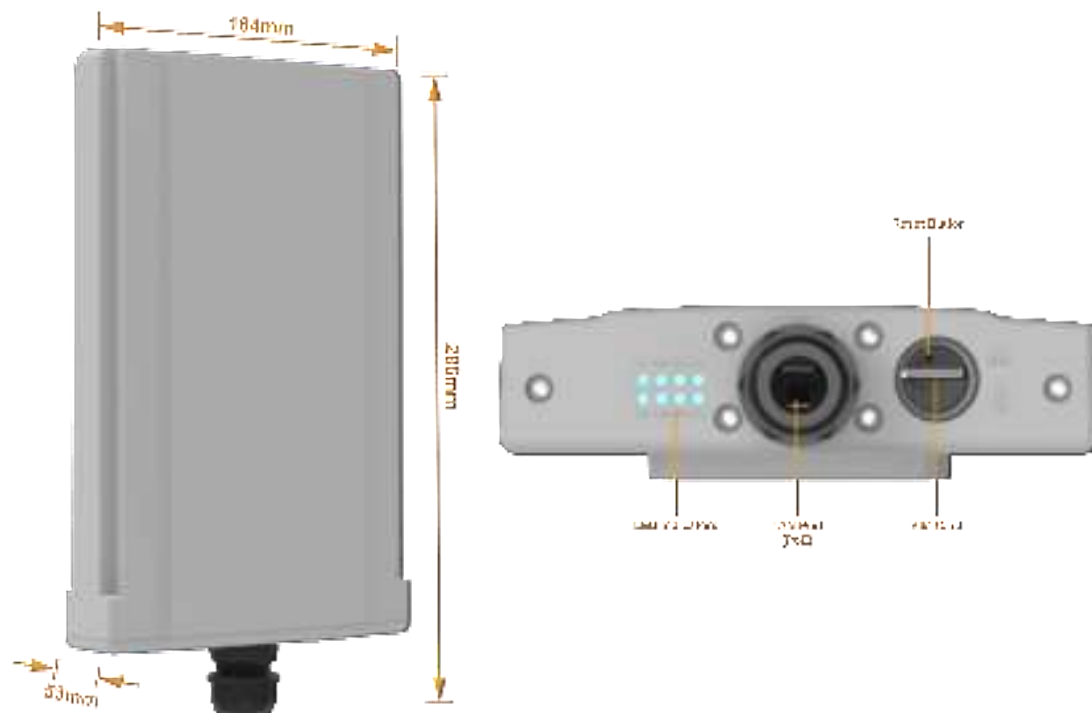
NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate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

1. 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.

1.1 User Interface Specification

Model	Description & User Interface
TITAN5100	- 1 RJ45 10/100/1000/2500M LAN port - SYS, MOD, ETH, Wi-Fi, RF (4 Signal intensity LEDs) - PoE DC 48V, Power < 18 Watts (Average) - Dimensions: 286 mm (L) × 164 mm (W) × 53 mm (D) - Weight: <2Kg - Operating Temperature: -40℃ to 65℃ - Storage Temperature: -40℃ to 85℃

2. Getting Started

2.1 Packing list and CPE Unit

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

Table 2-1 Packing List

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 you find any of the items missed, please contact your local distributor immediately.

2.2 Installing the Equipment

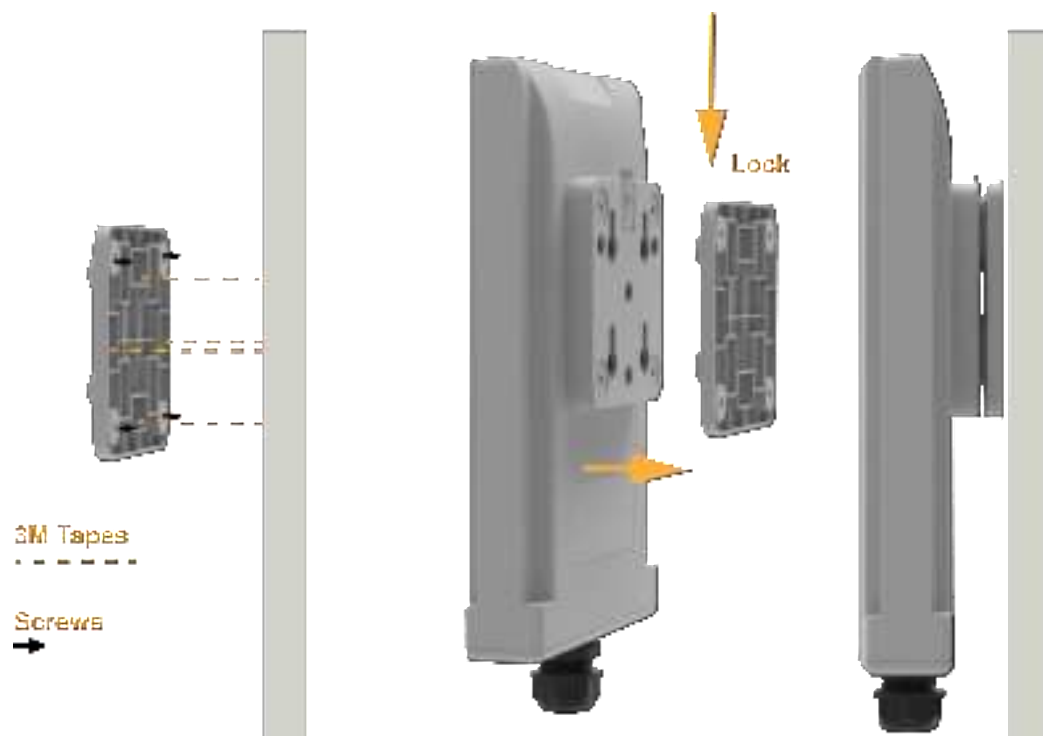Open the SIM card cover, insert the SIM card and connected the ETH cable.

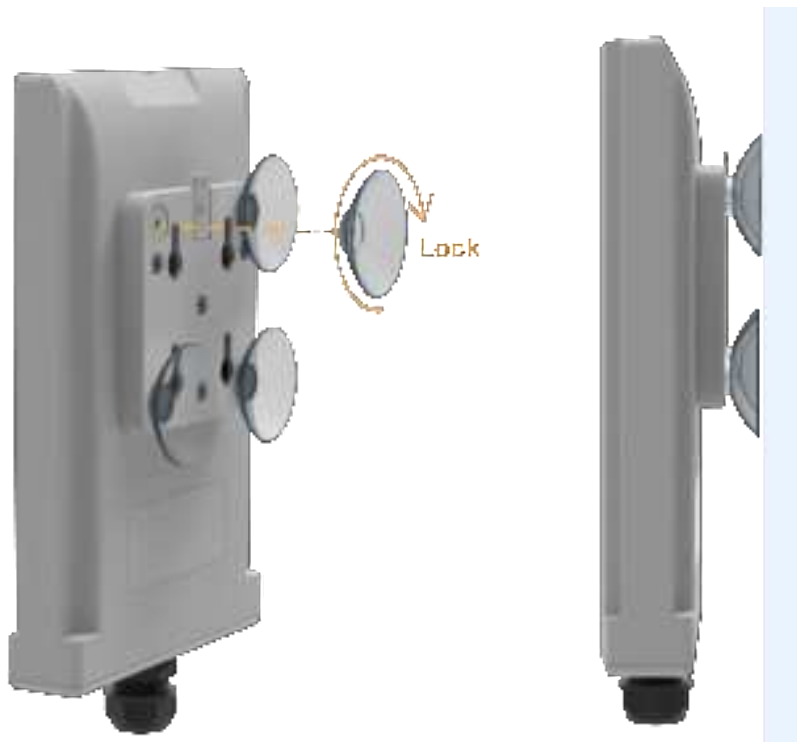⚠ **The user should use SFTP CAT5E Ethernet cable and connect to the appropriate LAN port**

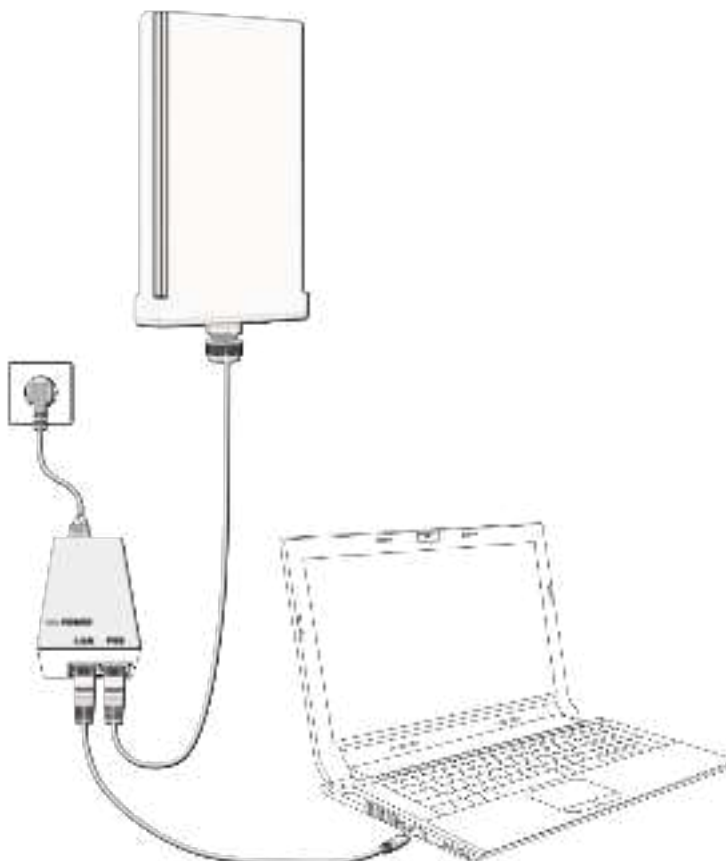■ **Clamp Poll Mounting Option (Preferred Method)**

Lock

Lock

Lock
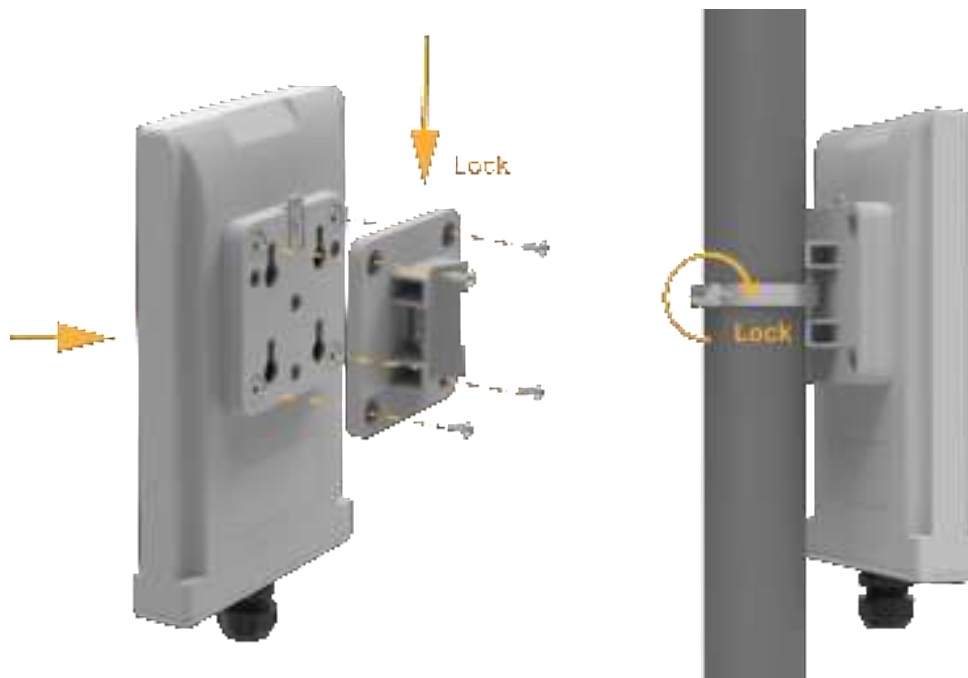
■ **Bracket Wall Mounting Option (3M Tape or Screw)**

Lock

3M Tapes

Screws

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■ **Suction Cap Window Mounting Option**

■ **Connecting the Device**

■ **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 o n.
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

3. Managing the CPE Device

3.1 WEB Login

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

Note The default user name is "**user**" and the password is "**admin**".
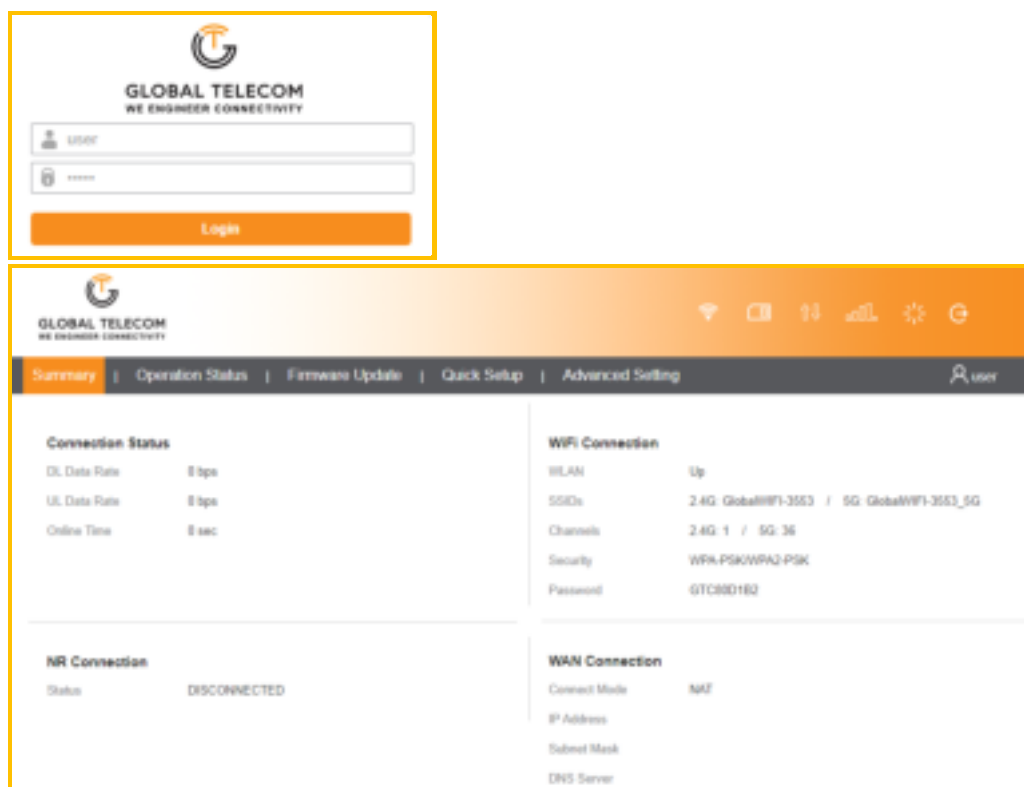
3.2 Quick Setup

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.

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

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

Lastly, you can modify the device's management access password.
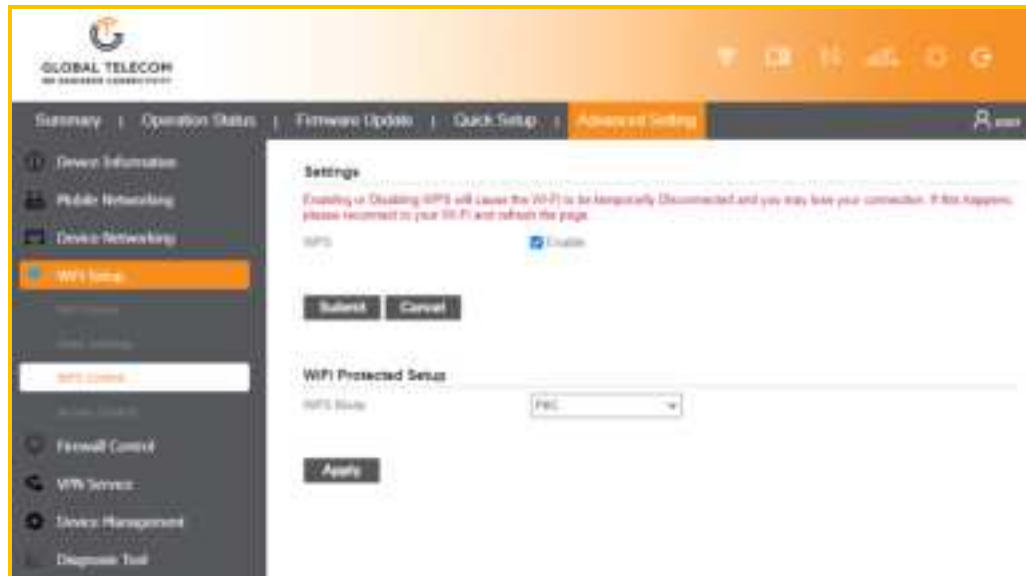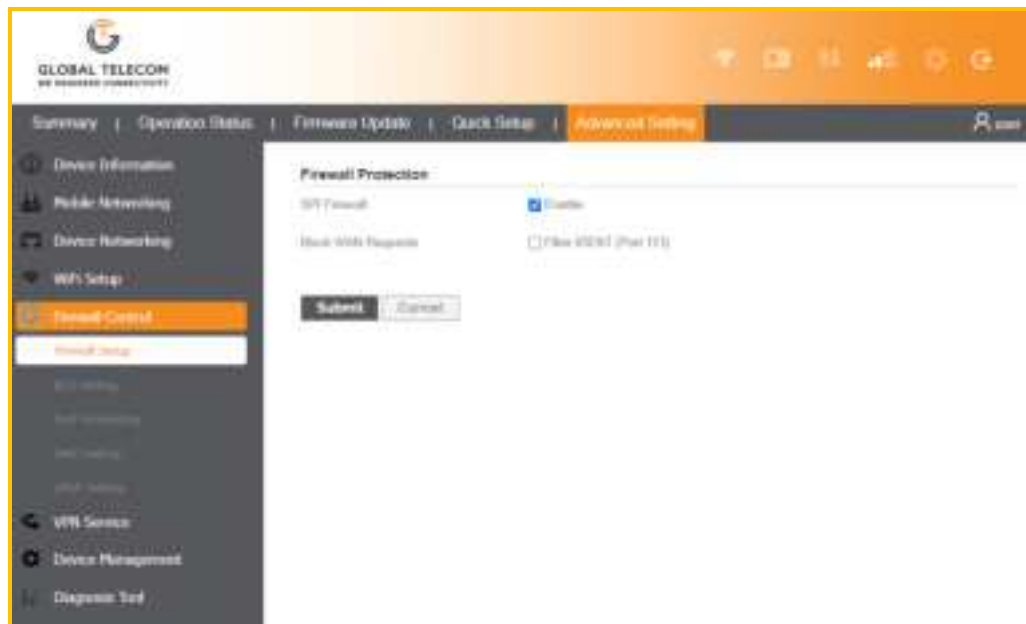

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■ WPS

The device integrates WPS function. When you need to use this function, please configure, and enable it 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. You can adjust the settings of these functions according to the needs of your web application.

■ **Firmware Update**

When you need to perform a software update on the device, you can find the software upgrade page in the device management page and select the upgrade file for the device according to the prompts on the page. The device upgrade operation supports the choice of whether to restore factory settings or not. Please operate according to your needs.
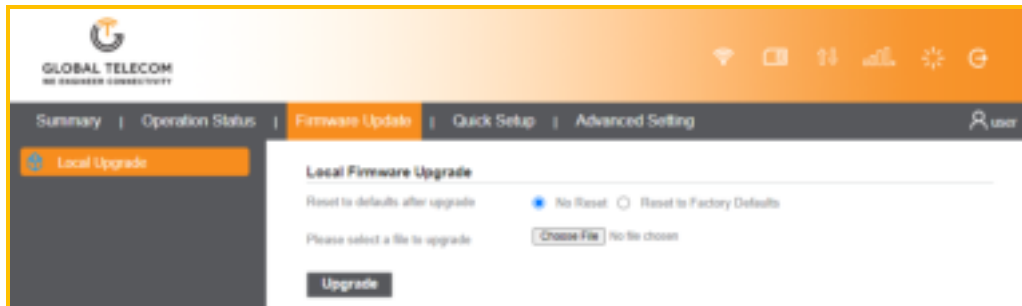
■ **Maintenance**

On this page, you can reset the device, restore factory default settings, and perform backup and restore operations for device configurations.
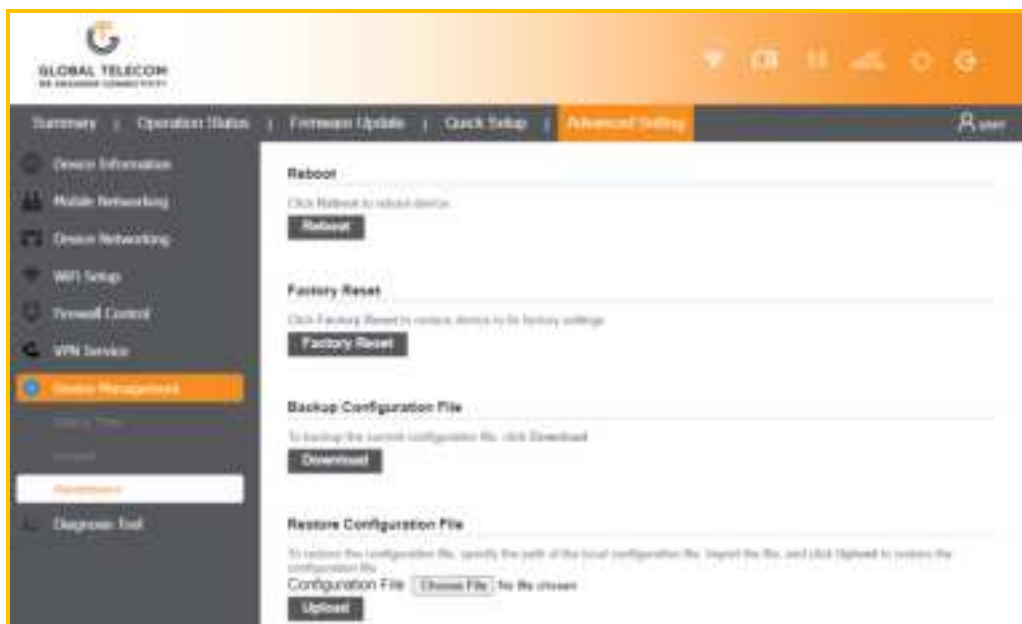
4. Hardware Reset

In case the user forgot the login password, 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.

5. Troubleshooting

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.

- Please also check the SIM card validity.

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.