Global telecom

Enabling internet of things

TITAN4000

LTE Outdoor CPE
Quick User Guide V1.0

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 21cm 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 TITAN4000 is highly innovative and patented LTE outdoor CPE product designed to enable quick and easy LTE 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 fall back service.

1.1. User Interface Specification

Model	Description & User Interface
TITAN4000	- 1 RJ45 10/100/1000M LAN port - SYS, MOD, SIM, ETH, Wi-Fi, RF (5 Signal intensity LEDs) - PoE DC 48V, Power < 18 Watts (Average) - Dimensions: 300 mm (L) × 290 mm (W) × 97 mm (D) - Weight: <5Kg - Operating Temperature: -40℃ to 55℃ - 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
CPE Unit	1
Clamp	2
Mounting brackets	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

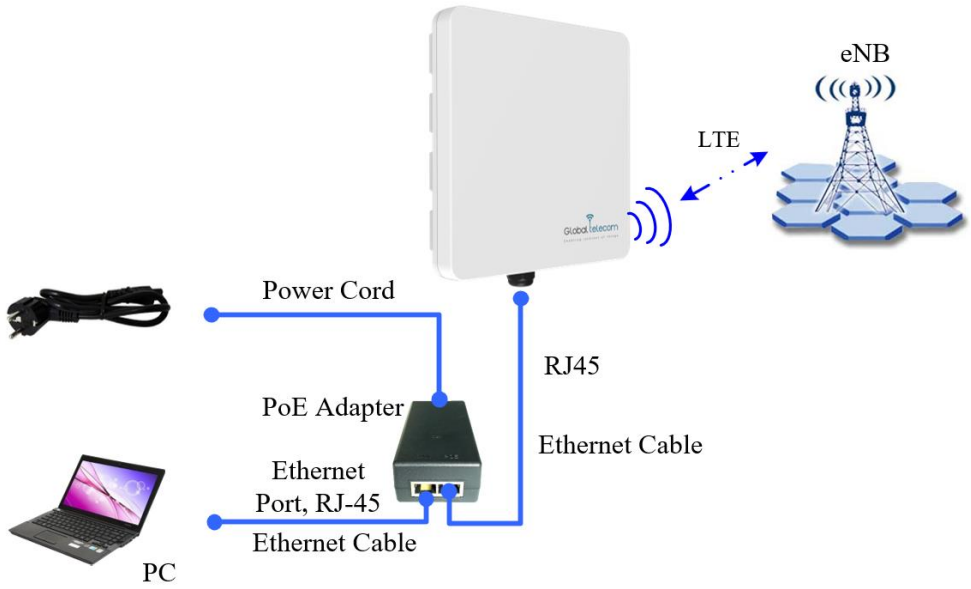
Open the SIM card cover, insert the SIM card and connected the ETH cable.

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

- **Mounting Bracket**

- **Using clamps to fixed.**

■ Device logic connection



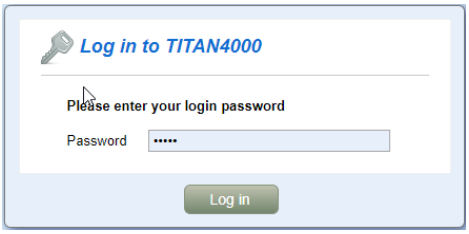
■ LED Display

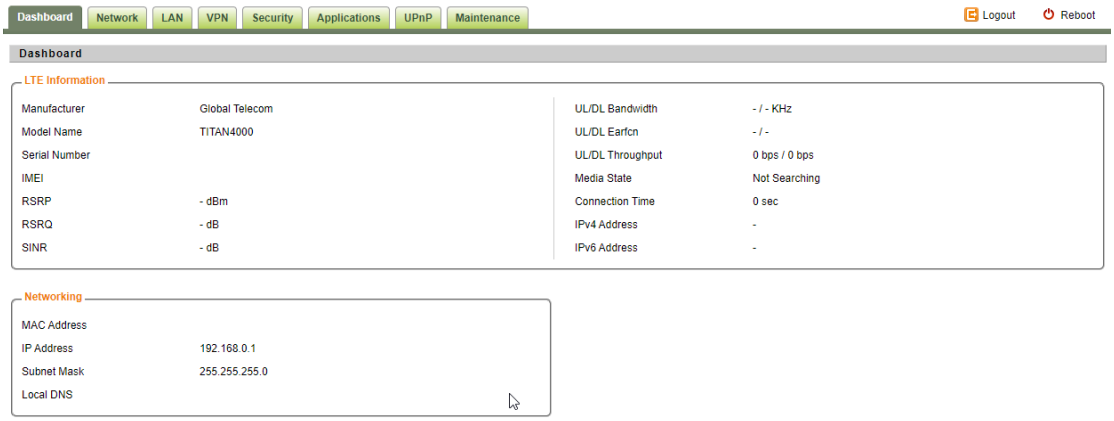
LED	Function	Description
SYS	System run indicator	Solid green – Device is in normal operation.
MOD	WAN port status	OFF – NO wireless network access. Solid Green – WAN data transmission in progress
SIM	SIM card indicator	Light is on – SIM card state is ready, Blinking Green – SIM card is error.
ETH	LAN port status	Solid Green – LAN port is up. Blinking Green –LAN port in working.
Wi-Fi	Wi-Fi indicator	Light is on –Wi-Fi is on.
RF (5LEDs)	RF Signal Strength	5 level signal strengths indication by 5 green LEDs. 1st Green LED: -115dBm < RSRP 2nd Green LED: -115dBm <= RSRP < -105dBm 3rd Green LED: -105dBm <= RSRP < -95dBm 4th Green LED: -95dBm <= RSRP < -85dBm 5th Green LED: -85 <= RSRP

3. Managing the CPE Device

3.1. WEB Login

User can access the dongle management GUI using a Web browser from a local PC connected to device LAN port. The user should ensure that the connected PC have acquired IP address via DHCP from the device. After IP connectivity is established between the PC and window CPE device, the user may launch a Web browser and specify Http://192.168.0.1 in the address bar, the default home page will appear. Note the default password is “admin”.

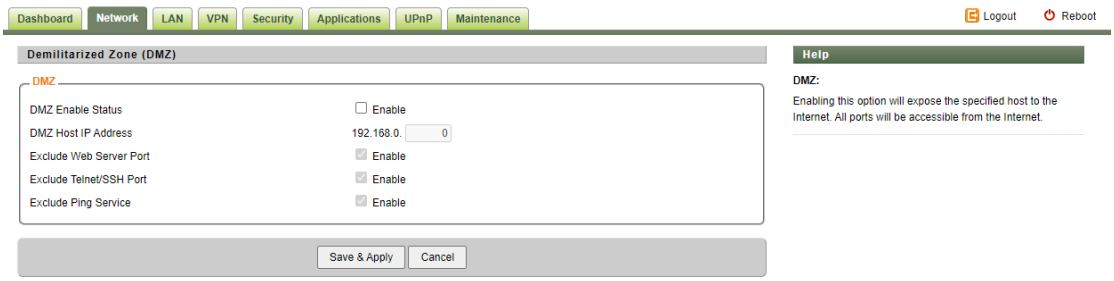




3.2. System configuration

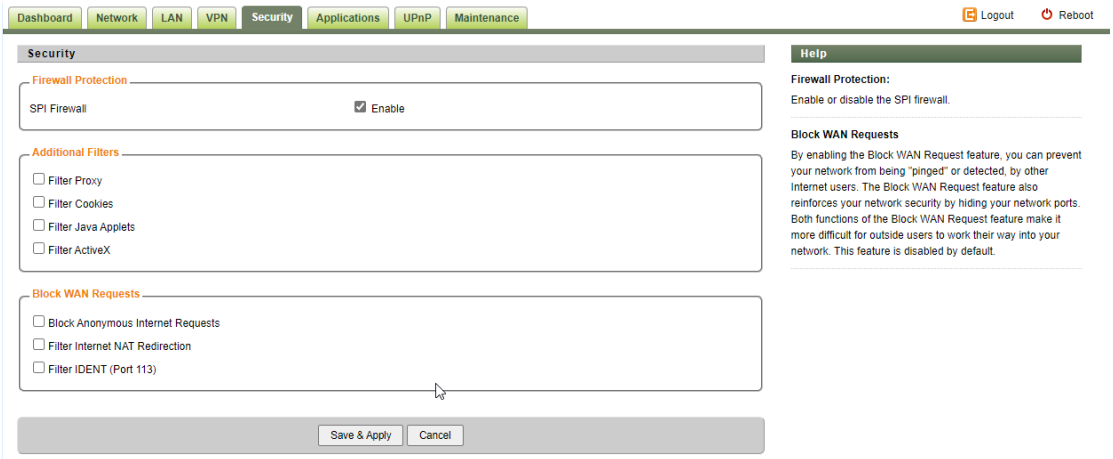
■ DMZ

This menu allows user to configure the DMZ setting for CPE in router mode. Web server, Telnet/SSH and Ping Service port can be exempted from DMZ mapping if required. By enabling DMZ option will make the specified local LAN host (DMZ IP) exposed to Internet.



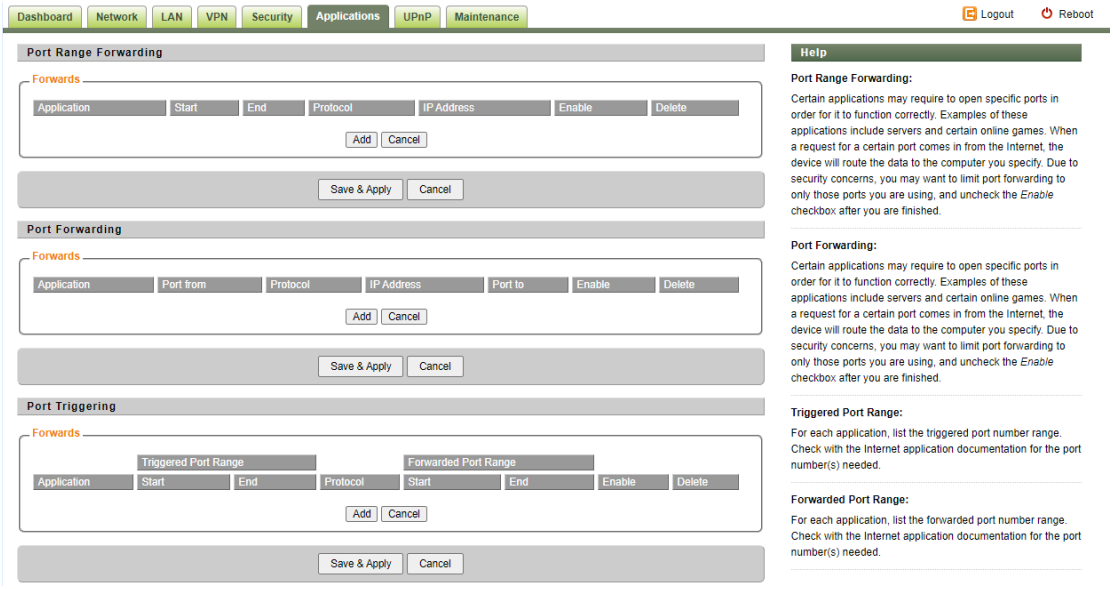
■ Security

This page allows user to configure the security setting.



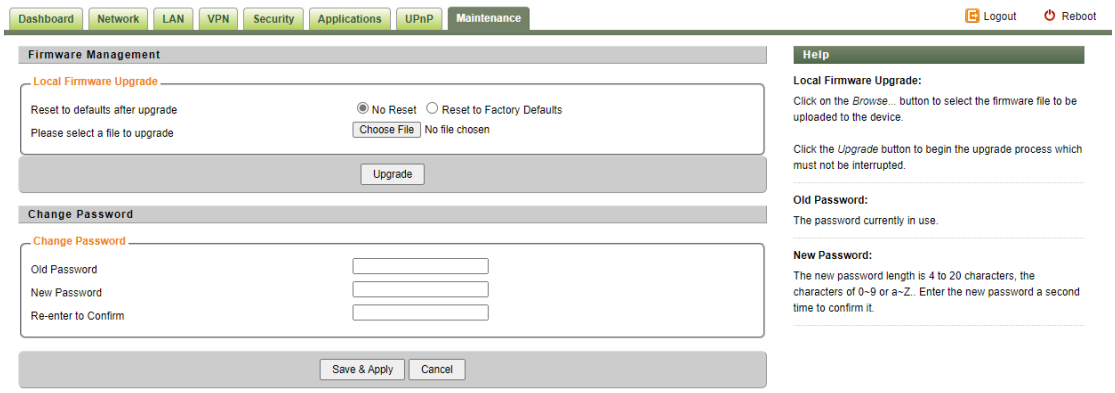
■ Applications

This menu allows user to configure the port forwarding rules for the CPE in router mode.



■ **Maintenance**

This page allows user to update the device firmware version, rest the device to factory setting and reboot the device.



4. Troubleshooting

Q1: My PC cannot connect to the CPE.

■ Check the PoE adapter LED is on and your PC LAN port is working.

Q2: My CPE networking is not working properly.

■ Check and make sure you are within LTE coverage.

Q3: Unable to connect internet while the device is already connected to LTE network.

■ Check and verify your computer has the ETH adapter installed and enabled. Unplug the PC Lan port and reconnect again if required.

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