SUNVOT

GC600 5G CPE
Quick user guide v1.0

FCC Statement

Warning: 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.
NOTE: 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

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. No configuration controls are provided for this wireless equipment allowing any change in the frequency of operations outside the FCC grant of authorization for US operation according to Part 15.407 of the FCC rules

1. Overview

The GC600 CPE is a highly advanced LTE multi-service product solution specifically designed to meet integrated data, voice and Wi-Fi access needs for residential, business and enterprise users. The product supports advanced networking, VOLTE gateway and WLAN AP functionalities. It enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access, low-cost VOLTE service and Wi-Fi connectivity.

■ Operator Device Specification

Model	Description & User Interface
GC600	· 1 * 1000Mbps LAN1 Port with 1*LED indicator, 1* 1000Mbps WAN/LAN2 port with 1*LED indicator · 1 * RJ11/FXS Port · 1* Micro USB · LED Indicators:SYS, WIFI, 4G, 5G · 1 *Power key, 1 *WPS Key, 1 *Reset hole 1 * DC Port, 12V/1.5A

■ Radio Interface Specification

5G Frequency Bands	N7/N77/N78
5G Protocol	3GPP Release 15
5G Operation Mode	DL 4X4 MIMO, 256QAM
4G Frequency Bands	B2/4/5/7/28/66
4G Protocol	3GPP Release 14
4G Operation Mode	DL 2X2 MIMO, 256QAM
Output Power	23 ± 2dBm
SIM Support	SIM card slot (3FF)

■ Wi-Fi Interface

Radio Access	802.11a/b/g/n/ac (2.4GHz 300Mbps, 5GHz 867Mbps)
Output Power	2.4G 2x2 20dBm, 5G 2x2 23dBm
Antenna	built-in 4 omni-directional antennas, 2x2 2.4GHz 0-2dBi, 2x2 5GHz 3dBi
Security	WPA / WPA2, WPA-PSK/ WPA2-PSK encryption, WPA3

2. Getting Started

■ Packing list and CPE Unit

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

Table. Packing List

CPE Products	Quantity
CPE unit	1
12V DC Power adapter	1
Ethernet Cable	1

If you find any of the items is missing, please contact our local distributor immediately.

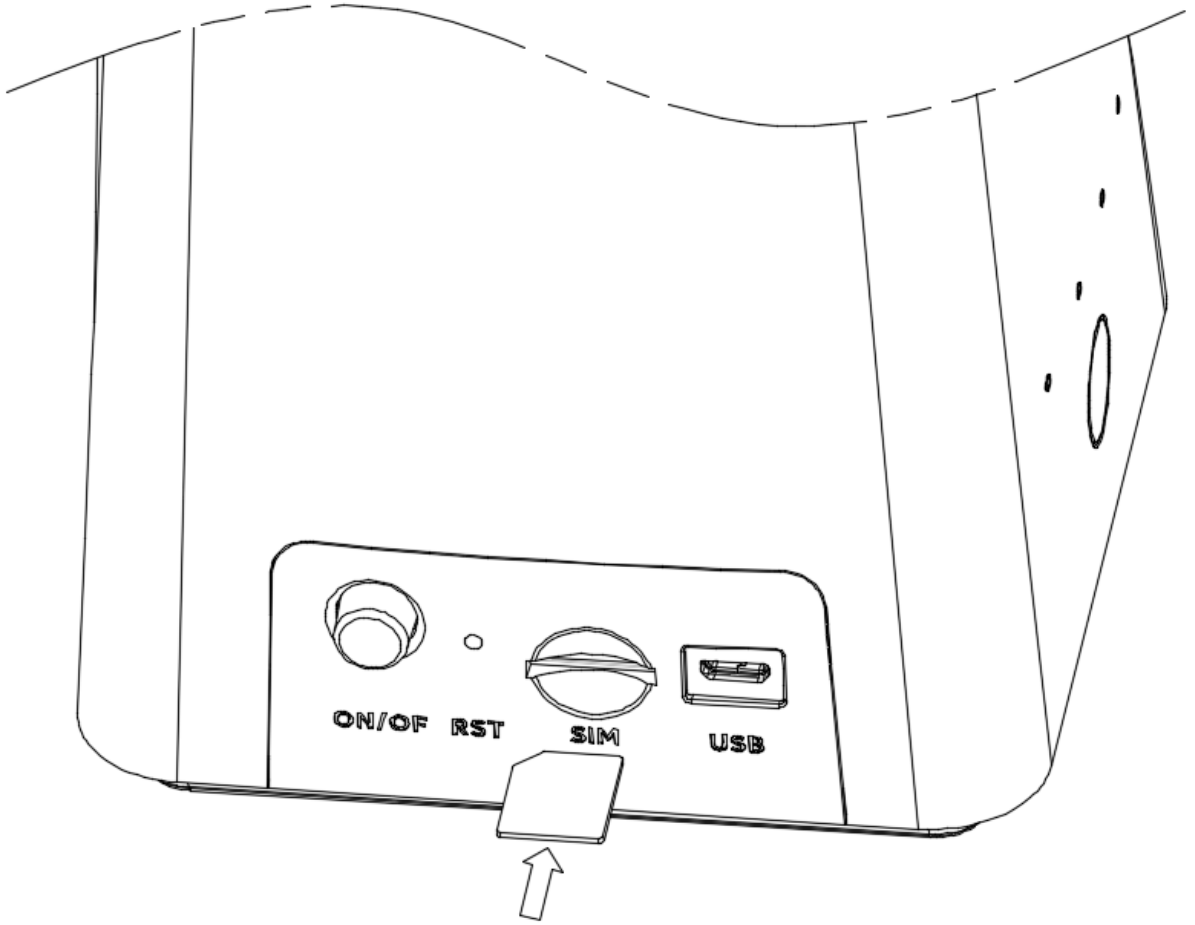
■ Installing and power on

To power on the device, the CPE must use a 12V DC power supply adapter. The power adapters can operate in 90-250V AC range and therefore can be used in different country. For CPE with the SYS LED indicator, a solid light indicates the system has completed the startup procedure.

To connect PC, LAN switch or other type of IP device to the CPE product, the user should use standard CAT6 Ethernet cable and connect to the appropriate LAN port.

To use the phone service, operator can simply plug the phone line to the CPE RJ11 port in the back. If the line is not registered or configured, a fast-busy tone will be provided.

■ Insert SIM Card



3. LED Display

Type	LED	Function	Description
GC600	SYS	system indicator	Green – System is ready
	WIFI	Wi-Fi indicator	Green – WiFi is on Off – WiFi is off
	4G	4G signal indicator	Green: Strong Signal, RSRP > -80dBm Yellow:Middle Signal, -80dBm > RSRP> -100dBm Red: Weak Signal, RSRP < -100dBm Off:No login to 4G network, or not 4G signal
	5G	5G signal indicator	Green: Strong Signal, RSRP > -80dBm Yellow:Middle Signal, -80dBm > RSRP> -100dBm Red: Weak Signal, RSRP < -100dBm

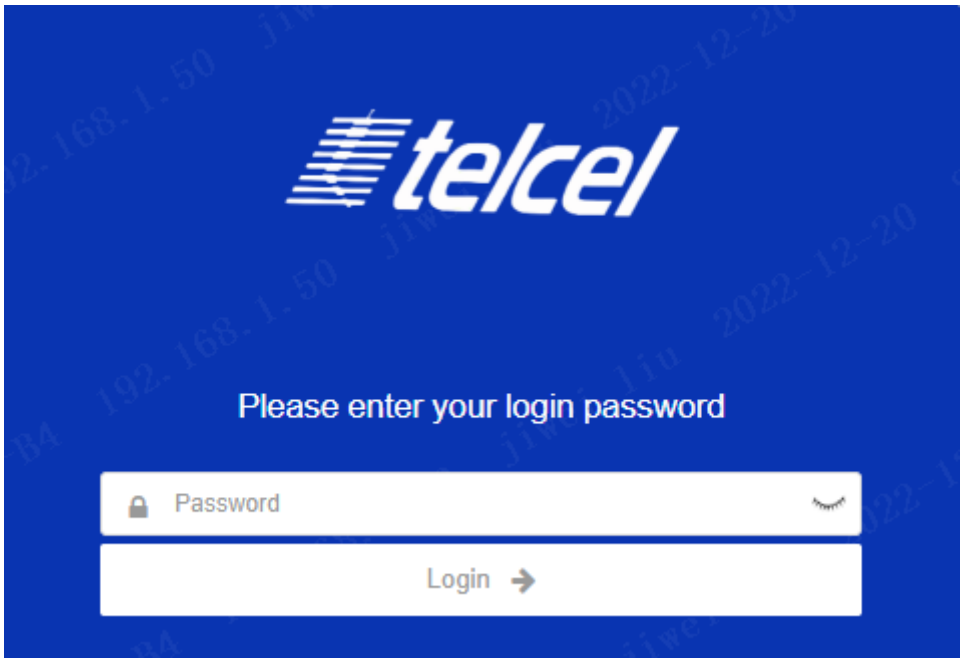
Type	LED	Function	Description
			Off:No login to 5G network, or not 5G signal

4. Managing CPE Device

The GC600 offers rich management features which facilitate the task of service provider. It supports local management access, Telnet, WEB, and centralized remote OTA configuration, upgrades management via standard FOTA systems. The following describes the basic procedures for configuring the device for operation.

■ WEB Login

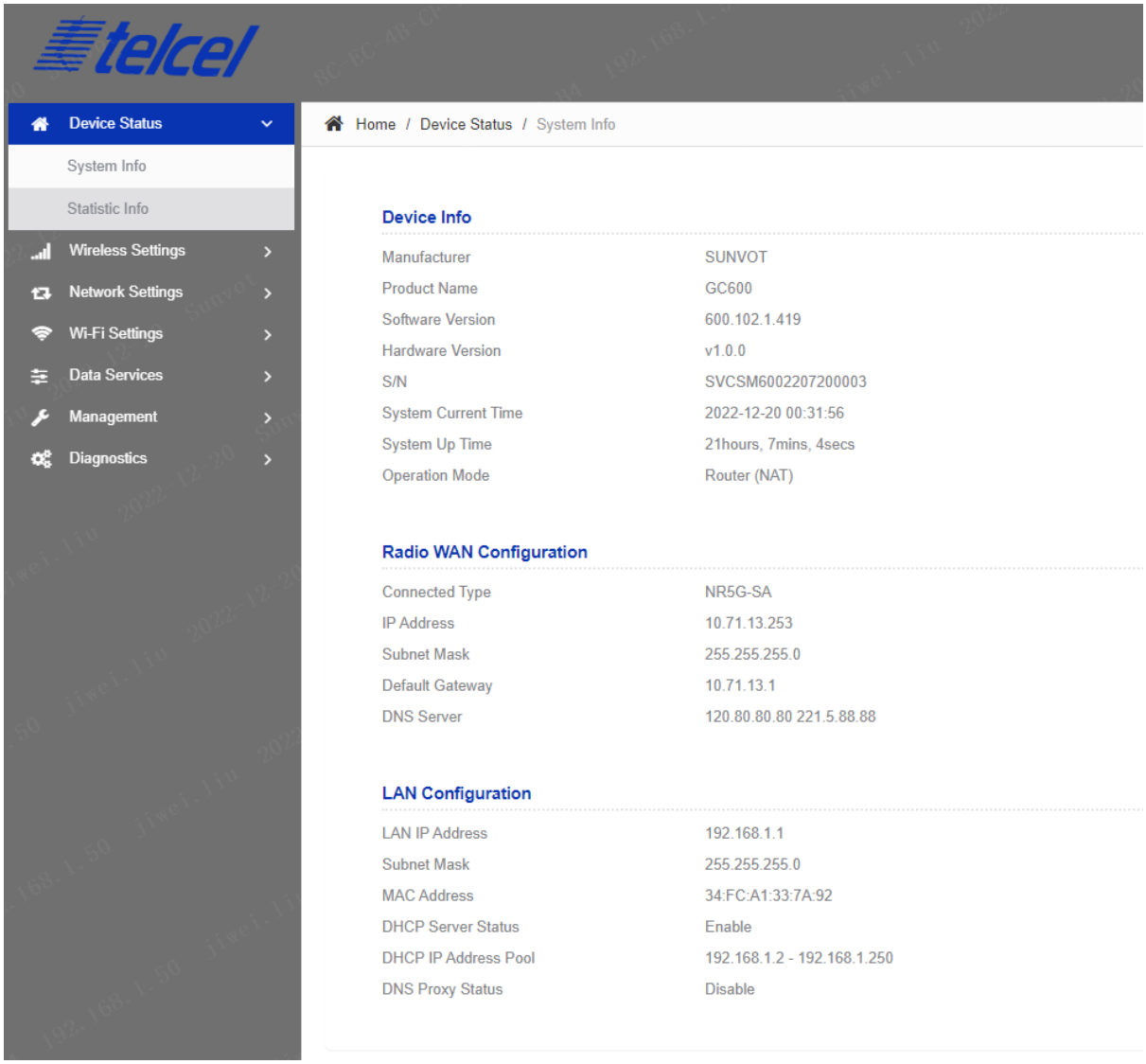
It is a preferred to setup the CPE using a Web browser from a local PC connected to device LAN port. The operator should ensure that the connected PC has acquired IP address via DHCP from the device. After IP connectivity is established between the PC and CPE device, the operator may launch a Web browser and specify http://192.168.1.1 in the address bar. A window will pop up requesting password. Input the user login password and then click the "**Log in**" button. After successful log on, the default home page of the WEB GUI interface will appear. Note the default password is "admin".



5. System Information

■ System Status

The menu shows the general system info of the CPE device. It includes system, general, WAN, LAN, Wi-Fi information.
Network Setting includes settings for all access points, including 3/4/5G/Wi-Fi



6.FAQ and Troubleshooting

Problem	Suggested Solution
My PC cannot connect to the CPE.	• Re-plug the PC Ethernet cable and check if the PC LAN connection is up or showing activity. • Check if the CPE Power is on. If it is not, check the power cord and make sure it is connected properly. Also verify that the AC power supply is available.
My PC cannot acquire IP from the CPE.	• First check if the Network card is up and working properly. Then check the PC Network card configuration and make sure the DHCP is enabled. • To release and renew the correct IP address, please unplug the Ethernet cable from PC and wait for about 5 seconds, then connect it again. • If the problem persists, please contact the operator or distributor for

	further diagnose.
My CPE networking is not working properly.	• You may want to check if the network connection is up and running properly. You can do this by login the WEB GUI and check the Interface Info page. • You may want to perform a factory reset and see if the problem is being corrected. You can do this by log into the WEB GUI using “admin” password and perform restore the unit to default factory setting. • If the problem cannot be corrected by factory reset, please contact the operator or distributor for further diagnose.
I forget the login password and like to reset the unit to factory default.	• User can hold the CPE RESET button for 10 seconds with power on to clear and reset the unit to factory default setting. • After the unit is reset to factory default, you can login using the default password.

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