

Quick Installation Guide

GPON ONT
GN543V

Safety Instructions

1.

This equipment is a Class III electrical appliance which is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock.
2.

WARNING: To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. The device shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.

AVERTISSEMENT : Pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil à la pluie ou à l'humidité. L'appareil ne doit pas être exposé à des gouttes d'eau ou des éclaboussures, et des objets remplis de liquides, tels que des vases, ne doivent pas être placés sur l'appareil.
3.

WARNING: the power plug/direct plug-in adapter is used as disconnect device, the disconnect device shall remain readily operable.

AVERTISSEMENT : La fiche d'alimentation/l'adaptateur enfichable directement utilisé comme dispositif de déconnexion doit rester facilement utilisable.
4.

Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer or service operator where the product was purchased. They can take this product for environmental safe recycling.

CAUTION !
RISK OF ELECTRIC SHOCK
DO NOT OPEN

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

Warning: to reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

Avvertissement: Pour réduire le risque de choc électrique, ne pas retirer le capot (ou l'arrière) car il n'y a pas de pièces réparables par l'utilisateur à l'intérieur. Confier l'entretien à un personnel qualifié.

5.

For the terminals marked with symbol of "⚡" may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the used of ready-made leads or cords.

6.

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7.

Use only the AC adapter which is included in the product package. Any other adapter may cause damage to the device. Such damage is not covered under warranty.
- Please pay attention to the following important safety instructions for ONT installation and use.
- Please stop using the device during a lightning storm. To avoid damage by lightning strike, please cut off power and disconnect all the cables.

Please keep device on a stable platform, and make device in well-ventilated and sunlight-free environment.

During storage, transport and use of this device, please keep it dry strictly, If any liquid accidentally fall inside the device, please cut off power supply immediately, and contact your local operator

Please use the original power adapter and other accessories. To avoid electric shock, please keep the power plug dry and clean, and never use damaged power cord.

To avoid swallowing and other dangerous behavior, do not allow unsupervised children to use or play with this device and accessories.

If any abnormal phenomena found, such as smoke, abnormal sound or peculiar smell, please stop using it immediately and cut off power immediately.

Please keep at least 10cm space around this device for ventilation when place it, and away from heat/fire source, such as heater or candle

Do not place any objects on the device or power cord/plug, and never cover ventilation holes with any objects

Stop using the device and cut off power supply before cleaning. Please use a soft, dry cloth to clean outer case while it's necessary.

To reduce the risk of electric shock, do not open the outer case of the device. Please refer servicing to qualified personnel only.
- The outer case will have a certain degree of heat after long-running, don't worry, this device can still work normally.
- Product Specifications
- | Item | Specification |
|-----------------------|--|
| Product Name | GPON ONT |
| GPON Standard | ITU-T G.984, TR156/TR255 |
| Maximum PON speed | 2.5Gbps/1.25Gbps |
| Wi-Fi Standard | IEEE802.11b/g/n/ac |
| Maximum Wi-Fi speed | 2.4GHz: WiFi5 300Mbps(11n@40MHz)
5GHz: WiFi5 1732Mbps(11ac@80MHz) |
| Optical Interface | 1*SC/APC, 1310/1490WDM |
| LAN Interface | 4*Gigabit Ethernet Ports, RJ45 |
| Phone Interface | 2*FXS Phone Ports, RJ11 |
| Wi-Fi Antenna | 2.4G: 2*3dBi; 5G: 2*3dBi, Omni-directional |
| Environment | |
| Rated Power Input | 12VDC/1.5A |
| Operating Temperature | 0 ~ 45°C (32~113 °F) |
| Storage Temperature | -20 ~ 65°C (-4~149 °F) |
| Operating Humidity | 0 ~ 95% non-condensing |
- Packaging Items
- | | | |
|--------------------------|---|--|
| GN543V |  | GPON ONT, with 4 Wi-Fi antennas |
| Power Adapter |  | Output 12VDC/1.5A Switching Power Adapter |
| Ethernet Cable |  | Standard CAT5e Ethernet cable for connecting your devices to the ONT |
| Quick Installation Guide |  | This QIG provides basic product specification and information for installing the device and get it up and running on your home network |
- Install the ONT
- Notes: Additional items such as optical fiber patch cord that are not included with the ONT may be needed to complete your ONT installation.
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- Installation Steps:
1. Connect the optical fiber patch cord to the Optical socket at the bottom of your ONT. The connector of the fiber cord shall be SC/APC usually in green color.

2. Connect the Ethernet cable to the LAN port on your computer and then to any of the LAN ports at the rear of your ONT.

3. Connect your telephone or fax machine to TEL port at the rear of ONT. The TEL port shall be specified by your service provider.

4. Connect power adapter to the DC Power jack on the rear of your ONT and then plug the power adapter into an electrical wall outlet. Press the ON/OFF button on your ONT, this will then power on the ONT. Check the LEDs on your ONT. Please Refer to "Front Panel LEDs" section for more information.
- Front Panel LEDs
-
- | LED | Color | Status | Description |
|---------|-------|--|---------------------------------|
| Power | Green | On | Power On |
| | | Off | Power Off |
| PON | Green | Refer to table below: "PON LED Status Instruction" | |
| LOS | Red | Refer to table below: "PON LED Status Instruction" | |
| WAN | Green | On | Got WAN IP Address Successfully |
| | | Flash | Data Under Transmitting |
| | | Off | Device in bridged mode or no IP |
| | | On | LAN device Connected |
| LAN1~4 | Green | Flash | Data Under Transmitting |
| | | Off | No Connection |
| | | On | 2.4G Wi-Fi Enabled |
| | | Flash | Data Under Transmitting |
| 2.4G | Green | Off | Disable |
| | | On | 5G Wi-Fi Enabled |
| | | Flash | Data Under Transmitting |
| | | Off | Disable |
| 5G | Green | Flash | Data Under Transmitting |
| | | Off | Disable |
| | | On | Pairing ok |
| | | Flash | In pairing |
| WPS | Green | Off | Not activated/not triggered |
| | | On | Phone registration succeeded |
| | | Flash | Phone is registering or on call |
| | | Off | Voice port disabled |
| TEL 1~2 | Green | | |
- Shenzhen Skyworth Digital Technology Co., LTD.
14/F, Unit A, Skyworth Building, Gaoxin Ave.1.S., Nanshan District, Shenzhen, China
http://en.skyworthdigital.com
- PON LED Status Instruction
- | PON | LOS | Description |
|-------|-------|---------------------------------------|
| Off | Off | The ONT is disabled by the OLT |
| Flash | Off | The ONT is registering to the OLT |
| On | Off | The ONT has already registered to OLT |
| Off | Flash | The fiber is not connected properly |
- Rear and Front Panel
-
- | No. | Name | Description |
|-----|-------------|---|
| 1. | RESET | Reset button. Press and hold for 5 seconds to Reset configuration to the factory default settings. |
| 2. | TEL 1/2 | Two RJ11 Telephone Port |
| 3. | LAN 1/2/3/4 | Four RJ45 Gigabit Ethernet Port |
| 4. | ON/OFF | Power On/Off Button |
| 5. | 12V/1.5A | DC12V Power Input Jack |
| 6. | WPS | Press and hold for 5 seconds to activate WPS pairing for both 2.4G and 5G. |
| 7. | Optical | SC/APC socket for optical fiber patch cord.
Note: the optical interface is located at the bottom of the ONT. |
- Login Web Manager and Setup the ONT
- How to login the ONT Web Manager
- Open the web browser and input the IP as well the username and password:
Default login IP: 192.168.1.1
Username: admin
Password: <please check the label on your ONT>
- How to setup Wi-Fi Network Name (SSID) and Password
- Step1: Login Web Manager first

Step2: Click "Network", then select "WLAN 2.4G" or "WLAN 5G"

Step3: Input your new SSID name in "SSID"

Step4: Input your new password in "WPA Pre-Shared Key"

Step5: Click the "Confirm" button to submit your change and the change will be taken effect immediately
- How to change Web Login Password
- Step1: Login Web Manager first

Step2: Click "Management" on main menu

Step3: Click "User Management" on submenu

Step4: Enter your new password

Step5: Click on "Confirm" button to submit your change
- How to restore the ONT Configurations to Factory Default
- You have two options to reset the device's configuration to its factory default settings.
- Option 1:
- Step1: Login Web Manager first

Step2: Click "Management" on main menu, then select "Restore Default" on the submenu

Step3: Click on "Restore Default" button, this will then reset the device's configurations to its factory default settings.
- Option2:
- Press and hold the 'RESET' button at rear panel of your GN630V for more than 5 seconds using the end of a paper clip or other small object with a narrow tip such as a pencil, and then release.
- Troubleshooting
- | Trouble | Troubleshooting |
|-----------------------------------|---|
| ONT not work | <ul style="list-style-type: none">• Make sure the power adapter is plugged in the electrical wall outlet• Check the power adapter is also plugged in the DC jack at the rear of the ONT• Make sure the power On/Off button on the rear panel is set to ON status• If the ONT can't power on or often restart, please contact your ISP |
| Can not Access Internet | <ul style="list-style-type: none">• Plug out the Ethernet cable then plug in the Ethernet cable, wait one minute, check the problem again• Power Off the ONT, then power On, wait five minutes, check the problem again• Check LED status, if LOS LED is flashing, or PON and Internet LED are Off, please check your optical fiber connection, or contact your ISP for help |
| Can not access Internet via Wi-Fi | <ul style="list-style-type: none">• Check whether the WAN and 2.4G/5G Wi-Fi indicators on the ONT front panel are all ON or flashing• Make sure your wireless device has connected the correct Wi-Fi SSID• Modify the encryption type of Wi-Fi, check the problem again• Modify the Wi-Fi SSID name and password, check the problem again• Power Off the ONT then power On, wait five minutes, check the problem again• If all the above operations can't solve the problem, please contact your ISP |
- Caution--use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Attention – L'utilisation des commandes ou réglages ou l'exécution des procédures autres que celles spécifiées dans les présentes exigences peuvent être la cause d'une exposition à un rayonnement dangereux
- Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019
Class 1 laser product.The product fulfils the requirements of IEC 60825-1:2014.
- FCC Statement
- 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.
To assure continued compliance, any changes or modifications not expressly approved by the party.
Responsible for compliance could void the user's authority to operate this equipment.
(Example- use only shielded interface cables when connecting to computer or peripheral devices).
- This equipment 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 Radiation Exposure Statement:
The equipment complies with FCC Radiation exposure limits set forth for uncontrolled enviroment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
- SKYWORTH
创 维
- 料号(Part No.):

展开尺寸(Unfolding Size):

成品尺寸(Folded Size):

印刷颜色(Print Color):

材质(Material):

待定

475x145 mm

95x145 mm

黑色(Black)

80g书纸(80g Writing paper)
-
- 有害物质含量符合RoHS标准
-
- 有害物质含量符合Reach标准
- 技术要求(NOTES):
- 1: 公差(Tolerance): ± 2mm

2: 原材料及后处理工艺均能满足ROHS和WEEE的要求.
(Raw materials and the corresponding post processing should meet requirements defined in the ROHS and WEEE.)
- 厂家/Manufacturer: Voion/Fuweizhi/Jiahui 设计/Designer: 罗运鸿 日期/Date: 2023.09.12
- 认证加签/Certification Audit: 审核/Audit:
- 风琴折 (奇数页)
-
- 封面Front
-
- 封底Back