

Quick Installation Guide

GPON ONT
GN256VH

SKYWORTH

Shenzhen Skyworth Digital Technology Co.,LTD.

Safety Instructions

- 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.
 - 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.
 - WARNING:** the power plug/direct plug-in adaptor is used as disconnect device, the disconnect device shall remain readily operable.
 -  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 environmentally safe recycling.
 - 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.
 -  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.
- Use only the AC adaptor which is included in the product package. Any other adaptor 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 accidently falls inside the device, please cut off power supply immediately, and contact your local operator
	Please use the original power adaptor and other accessories. To avoid electric shock, please keep the power plug dry and clean, and never use damaged or mismatch 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.

FCC WARNING STATEMENT

Warning: Changes or modifications 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.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Product Specifications

Item	Specification
Product Name	GPON ONT
GPON Standard	ITU-T G.984, TR156/TR256
Maximum PON speed	2.5Gbps/1.25Gbps
Wi-Fi Standard	IEEE802.11b/g/n and 802.11a/ac
Maximum Wi-Fi speed	2.4G: 2x2 Wi-Fi 4 (802.11n) 300Mbps 5G: 2x2 Wi-Fi 5 (802.11ac) 866Mbps
Optical Interface	1*SC/APC
LAN Interface	4*Gigabit Ethernet Ports, RJ45
Wi-Fi Antenna	2*External Dualband Omni-directional
Environment	
Rated Power Input	12VDC/1.5A
Operating Temperature	0 ~ 45℃ (32~113°F)
Storage Temperature	-20 ~ 65℃ (-4~149°F)
Operating Humidity	0 ~ 95% non-condensing

Packaging Items

GN256VH		GPON ONT, with 2 external Wi-Fi antennas
Power Adaptor		Output 12VDC Switching Power Adaptor
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

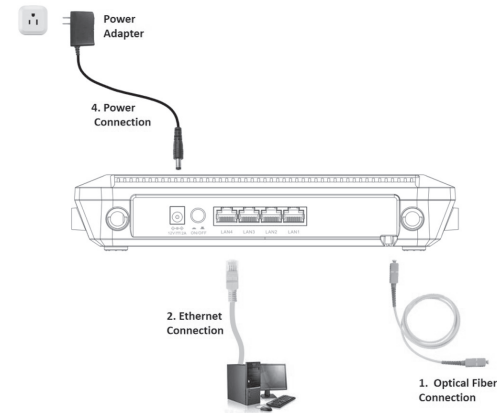
SKYWORTH

Shenzhen Skyworth Digital Technology Co.,LTD.

Front

Install the ONT

Notes: Additional items such as telephone lines, and optical fiber patch cord that are not included with the ONT may be needed to complete your ONT installation.



Installation Steps:

- 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.
- 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.
- Connect power adaptor to the DC Power jack on the rear of your ONT and then plug the power adaptor 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.

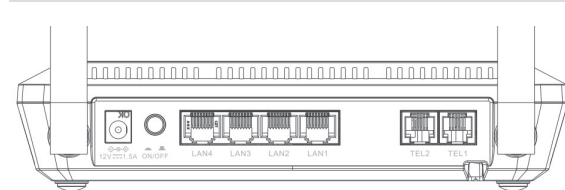
Front Panel LEDs



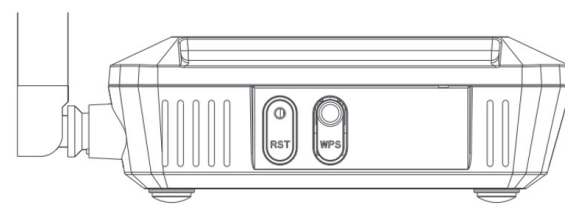
LED	Color	Status	Description
PWR	Green	On	Power On
PON	Green	Off	Power Off
LOS	Red	Refer to table below: "PON & LOS Indicators Description"	
WAN	Green	On	WAN Internet connected successfully
		Off	ONT in bridged mode or no IP connector
		Flash	LAN device connected, No data transmission
LAN4*1	Green	Off	LAN port transmitting data
		Off	No device connected
		Flash	2.4G Wi-Fi Enabled, No data transmission
2.4G	Green	Flash	2.4G Wi-Fi Transmitting data
		Off	2.4G Wi-Fi Disabled/not working
		Off	5G Wi-Fi Enabled, No data transmission
5G	Green	Flash	5G Wi-Fi Transmitting data
		Off	5G Wi-Fi Disabled/not working
		Off	Wi-Fi WPS Pairing successfully
WPS	Green	Flash	WPS in pairing
		Off	WPS Not activate/not triggered
		On	VOP services up but no data transmission
TEL1*2	Green	Flash	On phone call
		Off	VOP service does not activated

PON & LOS Indicators Description		
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 Side Panel



No.	Name	Description
1.	12V/1.5A	DC12V 1.5A Power Input Jack
2.	ON/OFF	Power On/Off Button
3.	LAN4/3/2/1	Four RJ45 Gigabit Ethernet port
4.	TEL2/1	RJ11 telephone port



Name	Color	Description
RST	Black	Reset Button, press 5s to restore factory default settings.
WPS	Black	WPS Pairing Button, press 5s to activate
Optical	Green	SC/APC Fiber socket (located at the bottom of the device)

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 "WLAN", 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 "System" 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 "System" on main menu, then select "Backup & Restore" 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 "RST" button at the side panel of your GN256VH 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	- Make sure the power adaptor is plugged in the electrical wall outlet - Check the power adaptor 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
Cannot Access Internet	- 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 GPON and WAN LED are Off, please check your optical fiber connection, or contact your ISP for help
Cannot make phone call	- Check the TEL indicators on the front panel of ONT - If your ONT has two TEL ports, make sure your phone is connected to the correct TEL port - Power Off the ONT and power On again - If problem still exists, please contact your ISP
Cannot access Internet via Wi-Fi	- 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

Hazardous Substances Table

Part Name	Hazardous Substances or element					
	Pb	Hg	Cd	CR(VI)	PBB	PBDE
Cabinet assembly	○	○	○	○	○	○
Cable assembly	○	○	○	○	○	○
Power Adaptor	○	○	○	○	○	○
Plastic and polymer	○	○	○	○	○	○
Metal part	○	○	○	○	○	○

○: It indicates that content of toxic and hazardous substance in all homogeneous material are less than specified limit by Directive2011/65/EU (RoHS)

×: It indicates that at least one content of toxic and hazardous substance in all homogeneous material is beyond specified limit by Directive2011/65/EU (RoHS)

This table shows the toxic and hazardous substance when manufacture this device, hazardous substance information is based on information from supplier as well as internal inspection. In some part, hazardous substance cannot be replaced with current technologies, but Skyworth is always doing its best to improve the quality of the product.

Shenzhen Skyworth Digital Technology Co., Ltd.
http://en.skyworthdigital.com

Back

SKYWORTH
创维

- 料号(Part No.): 待定
- 展开尺寸(Unfolding Size): 600*140 mm
- 成品尺寸(Folded Size): 100*140 mm
- 印刷颜色(Print Color): ☒ 黑色(Black) ☐ 四色印刷(4-Color Print)
- 材质(Material): ☒ 80g书纸(80g Writing paper) ☐ 128g双铜(128g Coated paper)
- 表面处理(Fishing): ☐ 光油(Gloss Varnish) ☐ 哑油(Matt Varnish)

厂家/Manufacturer: Jiahui/Voion/Fuweizhi

设计/Designer: 罗运鸿

认证加签/Certification Audit:

审核/Audit:



此物料通过RoHS标准要求



此物料通过Reach标准要求

技术要求(NOTES):

- 公差(Tolerance): ± 2mm
- 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.)