

## 4 WEB Login

This machine supports WEB management. You can log in to 192.168.1.1 (default IP address) from any PC to get relevant information. The steps are as follows:

- 1) Change the network segment of the PC to 192.168.1.X and connect it to any network port of the machine with a network cable;
- 2) Enter http://192.168.1.1 in Chrome, press Enter to pop up the login page, enter the username and password (admin/ admin), and then enter the system management page.

## 5 Matters Needing Attention

1) This device is an indoor structure, it can not be used in places that are easily invaded by rainwater; it should have proper space in the indoor box to facilitate heat dissipation; Recommended for use below 2000m above sea level.

2) The fiber input and the cable output must be reserved for a certain length to avoid accidents caused by too short; the optical interface in the ONU is the SC/APC head. Do not misplace or the end faces are inconsistent.

## 6 Accessories

- 1). External power supply \* 1: AC100V-240V/DC12V/1.5A
- 2). User Guide \* 1
- 3). The certificate of conformity has been affixed to this manual.

Certification
Inspector:
Date:

# PM4254

## FTTH Home Gateway

# User Guide

## 1 Overview

PM4254 GPON ONT is a FTTH gateway, for small and medium-sized businesses, SOHO office and home users, integrating GPON, WIFI. This series of products complies with the G.988 international standard and has good interoperability and operability, enabling interoperability with mainstream manufacturers' OLT devices.

## 2 Main Specifications

	ITEM	UNIT	SPEC
OPTICAL	Working wavelength	nm	TX1310, RX1490
	TX POWER	dBm	1-4(GPON)
	RX Sensitivity	dBm	≥ -28
	optic connector	/	SC/APC
OTHER	WIFI	/	2.4G:802.11 b/g/n 2.4GHz 300Mbps 5G:802.11 a/an/acGHz 867Mbps
	TYPE	/	HGU
	POWER	V/A	DC12V 1.5A
	Size	mm	196*135*31
	Operating temperature	℃	-5~40

### 3 Instructions for Use

#### 1) Power Connection

This machine is supported by the power adapter. Firstly, connect the DC 12V output cable of the power adapter to the DC 12V port of the machine, and then plug the external regulated power supply into the AC100~240V of the mains. The power indicator on the panel is on, indicating that the power supply is working normally.

#### 2) INTERFACES

INTERFACES	Introduction
ON/OFF	Power switch button
Power	Power input interface, DC 12V/1.5A
Optical	GPON fiber interfaces, using SC/APC fiber access
LAN1-LAN4	LAN service interface
Reset	Reset button
WLAN	WIFI switch
FXS	VOIP Interface

#### 3) Indicators Description

Indicator	Status	Description
Power	ON	The device is powered on normally.
	OFF	The device is not powered on.
PON	Twinkling	Received light, device not registered
	ON	The ONU is connected to the OLT and registered successfully.
	OFF	No optical received, device not registered
LOS	Twinkling	Fiber break or optical power exceeds limit
	OFF	ONU accepts normal optical power
LAN1-LAN4	ON	The network port is connected but no data is transmitted.
	Twinkling	Network port has data transmission
	OFF	The device is not powered on or the network port is not connected to the terminal device.
WIFI(2.4G/5G)	ON	WIFI works fine
	Twinkling	WIFI has data transmission
	OFF	WIFI work abnormally
FXS1/FXS2	ON	The caller is ringing
	Twinkling	Means the user is off the phone or on the phone
	OFF	free

#### **4 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.

#### **FCC Radiation Exposure Statement**

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. 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 consider removing the no-collocation statement.

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.

#### **Caution!**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 5 Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes

d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

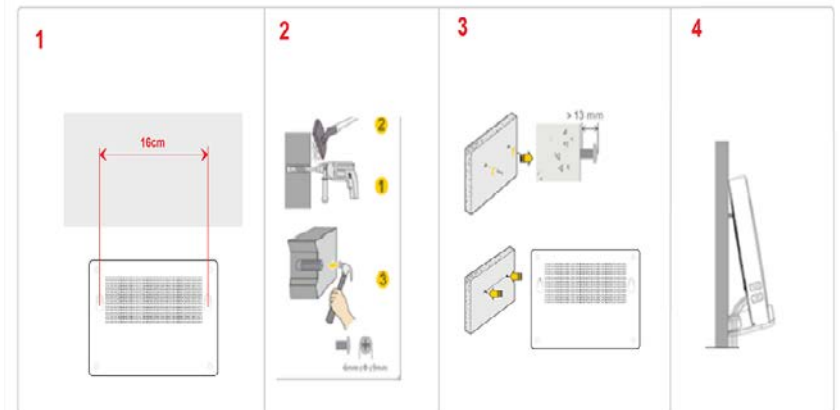
the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems

les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

1. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
1. les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
2. le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

## 6 Mounting an ONU onto the wall:

1. Mark two positions with the same spacing as that between the two mounting holes of the ONU using a marker on a wall.
2. Select a proper drill bit according to the outer diameter of the screws, Use a hammer drill to drill the marked positions on the wall. Then clean the holes and install two expansion bolts.
3. Use a screwdriver to fasten the screws into the expansion bolts, reserving 13mm ends out of the wall, and mount the ONU onto the screws.



### NOTE

It is recommended to use two screws with a diameter of 6mm and a length greater than 20mm.