Radisys

GPON Home Gateway
PM4264S

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957DNS00W1

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1. Product Overview

The GPON Home Gateway Unit (HGU) is an ITU-T G.984 ONT designed for delivery of telephone services, IP-base data services, and IPTV video services to single-family homes and small office/home office (SOHO) users. It is designed for indoor installation and can be desktop or wall-mounted. A single optical fiber carries upstream and downstream traffic over GPON between the OLT and the ONT and it is fully provisioned and managed from the OLT using PLOAM/OMCI and TR069.
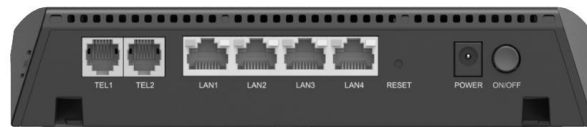
2. Package contents

• PM4264S   • Fiber Cable   • Power Adapter   • QIG (Quick Guide)
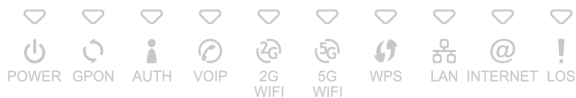
3. Specification

3.1 Device Parameters

SPI FLASH	128MB	Power Supply	Supply: 110V AC to 240V AC Adapter: DC 12V/1.5A
DDRIII	256MB (2Gbit)	Power Consumption	< 18 Watts (Max)
WiFi	2.4GHz 2x2 802.11ax 5GHz 2x2 802.11ax	Dimensions (W* D * H)	190mm* 154mm* 40mm
Port	1 * SC/APC, Class B+ GPON Port 4 * 10/100/1000Mbps (RJ45) LAN 2 * (RJ11) FXS port	Weight	516g
Bandwidth	Downstream up to 2.488Gbps Upstream up to 1.244Gbps Max	Operating requirement	Temperature :0ºC to +40ºC Humidity: 5% to 85% Non-condensing

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3.2 Rear View

Item	Description
LAN1~4	Use Ethernet cables (with RJ45 connectors) to connect home network devices
RESET	Press 1~4 seconds The device will reboot (restart). Press >4 seconds Factory reset is performed by long press
ON/OFF	Click to turn the device on or off
WPS/Wi-Fi button	Press 0~5 seconds, execute WPS for both WiFi. Press >5 seconds, turn on/off both Main and Guest WiFi

3.3 Front View (LED definition)

POWER GPON AUTH VOIP 2G WIFI 5G WIFI WPS LAN INTERNET LOS

LED name	Color	Behavior
POWER	Green	• On – Power on • Off – No power
GPON	Green	• Blinking (1 Hz) – GPON physical link available, under GPON ranging (O2 ~ O4, or O7), OLT deactivate ONT • On – GPON Link State is O5 • Off – No GPON physical link or ONT is in O1 state
AUTH	Green	• On: Only when the ONT is already configured by the OLT (ready for GPON transmission- More than 2 GEM) • Off: When the ONT is not configured by the OLT.
VOIP	Green	• Blinking (5Hz) - off-hook / ringing / calling / disconnecting, conversation • Flashing (1 Hz) - Registering in SIP server • On: registered correctly on the SIP server • Off: the SIP agent is disabled or not registered
2G WIFI	Green	• On – 2G WiFi available • Off – No 2G WiFi available
5G WIFI	Green	• On – 5G WiFi available • No 5G WiFi available
WPS	Green	• Flashing (1 Hz) - WPS in pairing mode • Flashing (5 Hz) - When real pairing with WiFi Client • Off - WPS LED will shut down after WIFI client connected, WPS not activated
LAN	Green	• On – Ethernet Link is on • Off – No Ethernet Link
INTERNET	Green	• On – Recieved IP address, HSI connection established • Off – No HSI connection
LOS	Red	• Red On - Fiber is disconnected or transceiver is disabled • Red Off - Fiber is connected and transceiver is enabled

4. Web Access

When you turn on the router for the first time (or after resetting it to factory settings), it will start the automatic setting mode. You can connect devices via wired connection or via the wireless connection.

4.1 Wired connection

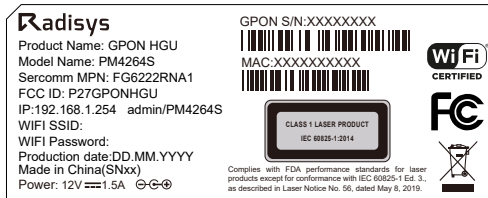Step 1. Connect one side of the Ethernet Cable to LAN port and the other to your computer.

Step 2. Open the browser and enter http://192.168.1.254 in URL bar.

Step 3. Enter the username and password specified on the sticker at the bottom of device.

4.2 Wireless connection

Enter SSID and password on product label to connect to WiFi network.

Radisys
Product Name: GPON HGU
Model Name: PM4264S
Sercomm MPN: FG6222RNA1
FCC ID: P27GPONHGU
IP:192.168.1.254 admin/PM4264S
WIFI SSID:
WIFI Password:
Production date:DD.MM.YYYY
Made in China(SNxx)
Power: 12V⎓1.5A ⊖-⊂-⊕

GPON S/N:XXXXXXXX

MAC:XXXXXXXXXX

CLASS 1 LASER PRODUCT
IEC 60825-1:2014

Complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

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 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).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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

CLASS 1 LASER PRODUCT
IEC 60825-1:2014

Complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

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 reglages ou l'execution des procedures autres que celles specifiees dans les presents exigences peuvent etre la cause d'une exposition a un rayonnement dangereux

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