Radisys PM6264S Optical Network Terminal Installation Guide

Radisys PM6264S Optical Network Terminal

Contents

Introduction

The Radisys PM6264S XGS-PON Home Gateway Unit (HGU) is an advanced Wi-Fi6 dual-band XGS-PON ONT complying with the ITU-T G.9807.1 standard via SFP+ pluggable interface. The gateway is best suited for FTTH residential and small office use that requires optimal wireless coverage.

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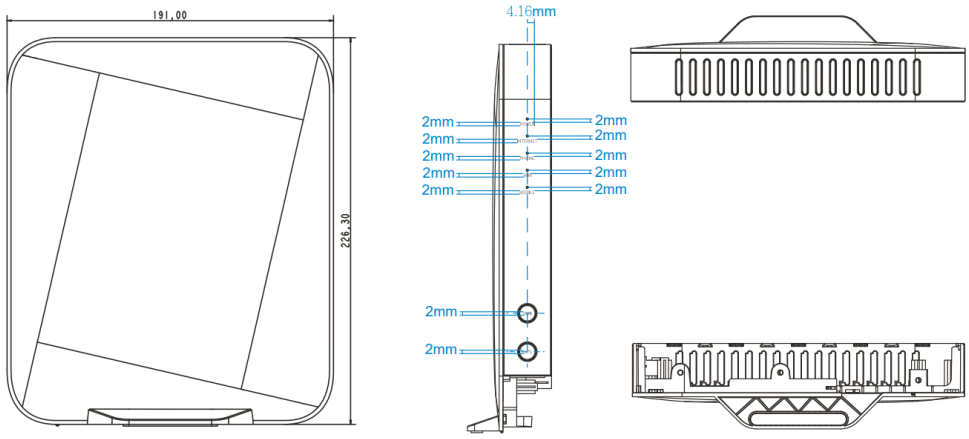
- PM6264S ONT
- Quick Installation Guide
- Power Adaptor

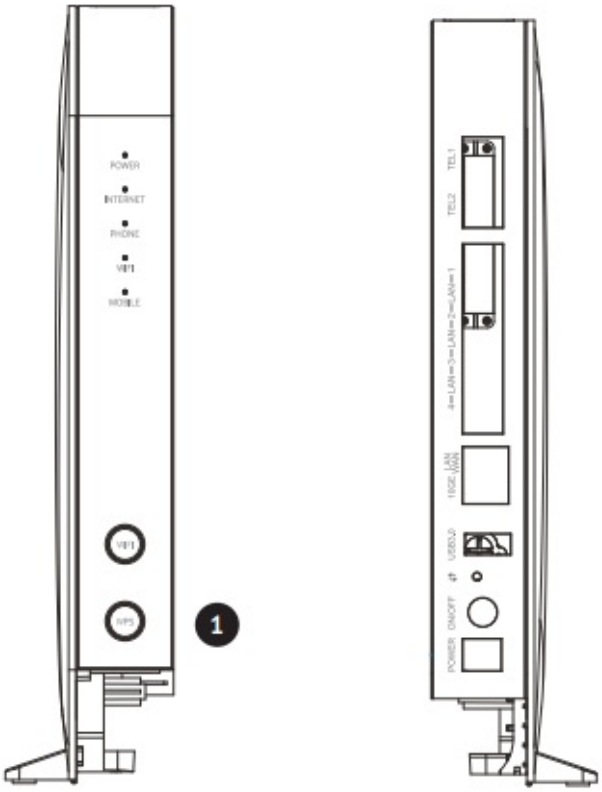
Product Specifications

Interfaces	Specification
WAN Uplink	PON port (SC/APC)
Ethernet	1 100/1000/10G Base-T port (RJ45) 4 10/100/1000 Base-T ports (RJ45)
Wi-Fi	4×4/4×4 Wi-Fi 6 (internal antennas)
VoIP	2 FXS ports (RJ11)
USB	USB 3.0 Type A
Power Adaptor Input	110-240VAC, 50/60Hz
Power Adaptor Output	+12VDC nominal, 2A
Operating Temperature	5 to 40°C (41 to 104°F)
Operating Humidity	5 to 85% (non-condensing)
Dimensions	226 x 191 x 46 mm (W x D x H)



Interfaces

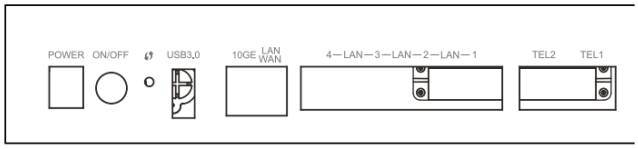
Item	Description
1 LEDs	Status LEDs
2 POWER	Power port for external Power Adaptor
3 ON/OFF Button	Turn power ON or OFF
4 RESET	Reboot ONT (quick push)
	Reset to factory (press and hold for 10 seconds)
5 WPS	Press to initiate WPS connection
6 Wi-Fi	Press to initiate the WPS connection
6 USB	USB port for ancillary equipment
7 10GE	10GE Ethernet ports for PC or LAN (RJ45)
8 GE 1-4	1GE Ethernet ports for PC or LAN (RJ45)
9 TEL 1	Phone port for telephony (RJ11)



LED Status Indicators

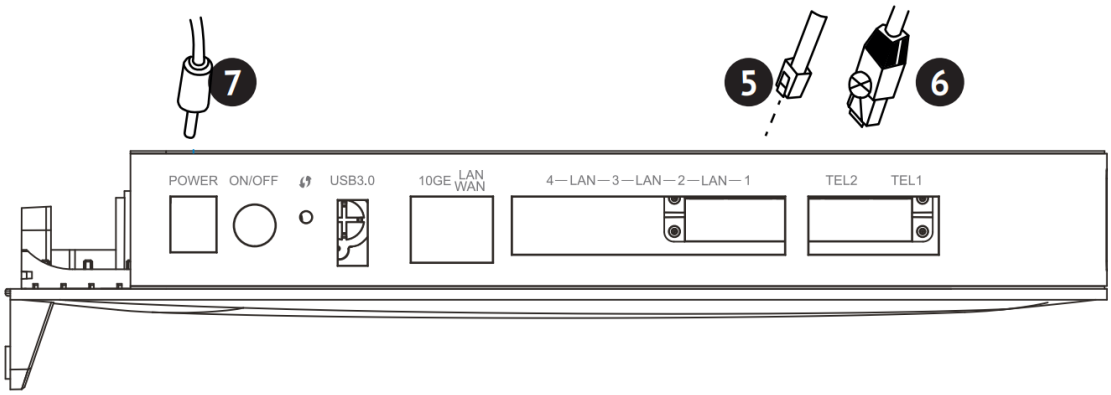
Label	Color	Status	Definition
POWER	White	ON	Normal operation
		Slow blink (1000ms on, 66 6ms off)	Reset to factory defaults, not config- ured for service
		Slow blink (1000ms on, 66 6ms off)	Initializing, start of boot process

INTERNET	RED	ON	Loss of Signal (LOS) alarm
White		ON	Internet service available, IP address
		Slow blink (1000ms on, 666ms off)	Reset to factory defaults, not configured for service
Wi-Fi	White	ON	2.4GHz/5GHz Wi-Fi radio is enabled with security
		Slow blink (1000ms on, 666ms off)	WPS push-button activated
		Slow blink (1000ms on, 666ms off)	Reset to factory defaults, not configured for service
		OFF	2.4GHz/5GHz Wi-Fi radio is disabled, WPS is not active
PHONE	White	ON	Telephone port registered for service
		Fast Blink (1000ms off, 280ms on, 280ms off, 280ms on)	Telephone line is off hook
		Slow blink (1000ms on, 666ms off)	Reset to factory defaults, not configured for service
		OFF	Telephone port is disabled or unregistered



Label	Color	Status	Definition
MOBILE	White	Fast Blink (1000ms off, 280ms on, 280ms off, 280ms on)	Voice ports in use (VoCS), Incoming Call, Out going Call, Call established.
		Slow blink (1000ms on, 666ms off)	Network detected. BACKUP MODE
		ON	Data connection established. BACKUP MODE
Red		Slow blink (1000ms on, 666ms off)	Attempting to set up mobile connection. Stick pending PIN or PUK. BACKUP MODE
		OFF	2.4GHz Wi-Fi radio is disabled
5GHZ	Green	ON	5GHz Wi-Fi radio is enabled
		Slow Blink (1/s)	5GHz Wi-Fi radio transmitting data traffic
		OFF	5GHz Wi-Fi radio is disabled

WPS	Green	Slow Blink (1/s)	WPS push-button activated
		OFF	WPS is not active
PHONE	Green	ON	Telephone port registered for service
		Slow Blink (1/s)	Telephone line is off hook
		OFF	Telephone port is disabled or unregistered
USB	Green	ON	Device is connected to USB port
		OFF	No device connected



Installation

1. Remove ONT from packaging.
2. Lay ONT flat on surface or attach ONT to wall.
3. Remove protection plug (black) from WAN port.

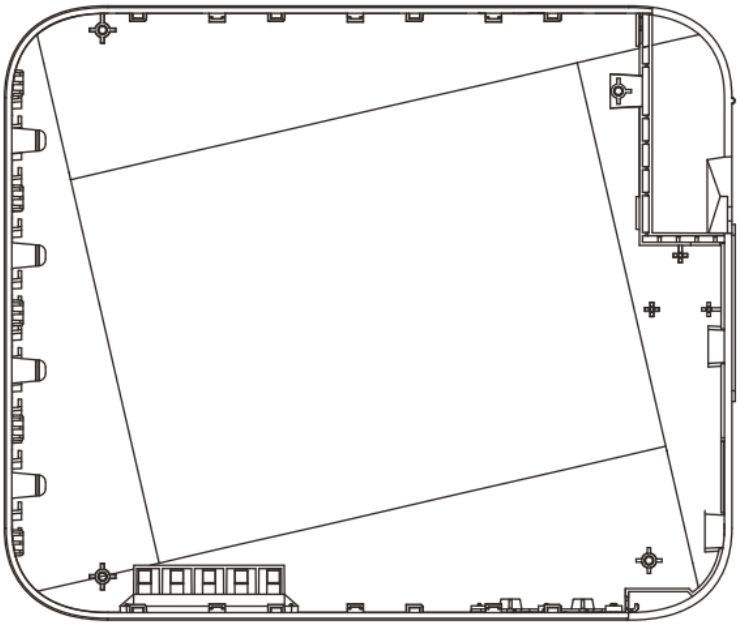
4. Connect fiber optic cable with SC/APC termination to WAN port.
5. Connect telephone cable (5) with RJ11 termination to PHONE.
6. Connect Ethernet cable (6) with RJ45 termination to 10G LAN and LAN 1-4. Recommend CAT6 or better Ethernet cable for 10GE port.
7. Connect Power Adaptor cable (7) with 2-pin barrel to POWER port.
8. Plug in Power Adaptor into electrical outlet.
9. Push ON/OFF button. Check LED power up sequence.

User note: ONT may be upgraded to newer software image prior to provisioning of services. ONT may reset after initial boot up sequence is complete or software image is upgraded.

Mounting ONT on a wall

ONT has two mounting holes that can be used for wall mount placement. Please see diagram for screw separation and location.

ONT should be mounted with LEDs facing up and service interfaces facing down to avoid dust and contamination.



Web Graphical User Interface

You can access the ONT through a web browser using the following steps:

- Connect an Ethernet cable from your computer to any of the 10G or LAN 1 – 4 ports.
- Launch a web browser or telnet session and connect to address 192.168.1.1.
- After response, enter the following:

1. Username : user
2. Password: user

After initial login, it is recommended that password be changed.

Caution

Please follow the instructions below to avoid physical injury:

- This unit is for indoor use only.
- All Ethernet, telephone and power wiring are limited to inside of the building.
- You should not install ONG during lighting storms to avoid electrical shock.
- Never look directly at the fiber port and fiber cable ends when they are powered on.
- DO NOT plug in, turn on or attempt to operate an obviously damaged unit.
- DO NOT use near water.
- DO NOT operate ONT in a location where maximum ambient temp. exceeds 40°C.
- DO NOT place near high temperature source.
- Set up the unit away from direct sunlight or other electrical equipment.
- Open optical connections must use a protective cap under all circumstances to protect against physical damage and dirt.
- Avoid impact stresses when handling connectors.
- Physical damage to optical connections impairs transmission quality.
- Avoid a bend radius in excess of 30 mm for fiber optic links.
- Check the available voltage supply.
- Only connect approved accessories.
- This equipment is not suitable for use in locations where children are to be present.
- DO NOT disassemble the unit.

Limited Warranty

The product warranty does not cover damage resulting from hardware being installed in areas subject to rain, high humidity, water ingress and dust or debris. Disassembling product or removing enclosure cover from the assembly is a safety hazard and will void warranty. PM6264S may only be repaired by authorized service personnel.

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 25 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.

Canada Statement

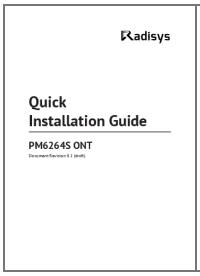
This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license exempt RSS(s). Operation is subject to the following two conditions:

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

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 25 centimetres between the radiator and your body.

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.

Documents / Resources

	**Radisys PM6264S Optical Network Terminal** [pdf] Installation Guide PM6264S Optical Network Terminal, PM6264S, Optical Network Terminal, Network Terminal, Terminal

References

- **User Manual**