



Quick Installation Guide

PM6165B ONT

Document Revision 1.0

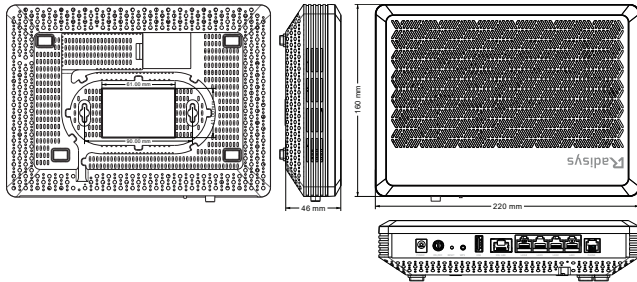
1 Introduction

The Radisys PM6165B XGS-PON Home Gateway Unit (HGU) is a Wi-Fi6 dual-band XGS-PON complying with the ITU-T G.9807.1 standard. The gateway is best suited for FTTH residential and small office use.

2.1 Contents

- PM6165B ONT
- Ethernet Cable
- Quick Installation Guide
- Power Adaptor

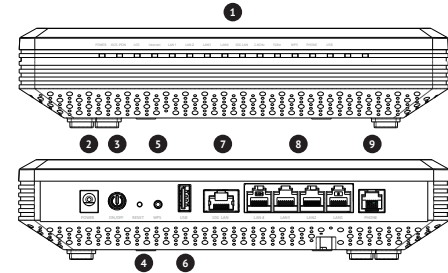
2.2 Product Specifications



Interfaces	Specification
WAN Uplink	GPON port (SC/APC)
Ethernet	1 100/1000/10G Base-T port (RJ45)
	4 10/100/1000 Base-T ports (RJ45)
Wi-Fi	2x2/2x2 Wi-Fi 6 (internal antennas)

Interfaces	Specification
VoIP	1 FXS ports (RJ11)
USB	USB 2.0 Type A
Power Adaptor Input	90-240VAC, 50/60Hz
Power Adaptor Output	+12VDC nominal, 2A
Operating Temperature	0 to 40°C (32 to 104°F)
Operating Humidity	5 to 90% (non-condensing)
Dimensions	220 x 160 x 46 mm (W x D x H)

2.3 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)

Item	Description
	Reset to factory (press and hold for 10 seconds)
5 WPS	Press to initiate WPS connection
6 USB	USB port for ancillary equipment
7 10G LAN	10GE Ethernet ports for PC or LAN (RJ45)
8 LAN 1-4	1GE Ethernet ports for PC or LAN (RJ45)
9 PHONE	Phone port for telephony (RJ11)

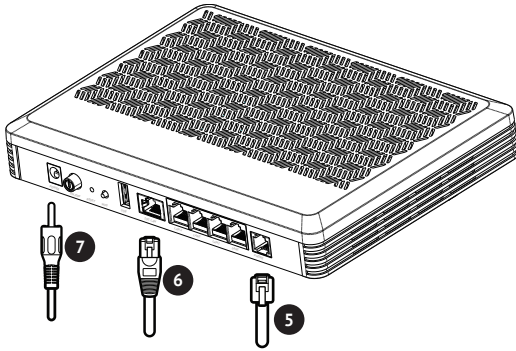
2.4 LED Status Indicators



Label	Color	Status	Definition
POWER	Green	ON	Normal operation
		Rapid blink	Reset to factory defaults, not configured for service
		Slow blink (1/s)	Initializing, start of boot process
XGS-PON	Green	ON	WAN interface ranged and linked
		Slow Blink (1/s)	WAN ranging in process
		OFF	Not ready for ranging or provisioning
LOS	RED	OFF	No alarm
		ON	Loss of Signal (LOS) alarm
INTERNET	Green	ON	Internet service available, IP address
		OFF	Internet service not available, IP or DNS failure

Label	Color	Status	Definition
LAN1-4	Green	ON	Ethernet port interface is linked
		Activity (flash)	Data transmitting
10G LAN	Green	OFF	Ethernet port is disabled or no service
		ON	Ethernet port interface is linked
2.4GHZ	Green	Activity (flash)	Data transmitting
		OFF	Ethernet port is disabled or no service
5GHZ	Green	ON	2.4GHz Wi-Fi radio is enabled
		Slow Blink (1/s)	2.4GHz Wi-Fi radio transmitting data traffic
WPS	Green	OFF	2.4GHz Wi-Fi radio is disabled
		ON	5GHz Wi-Fi radio is enabled
PHONE	Green	Slow Blink (1/s)	5GHz Wi-Fi radio transmitting data traffic
		OFF	5GHz Wi-Fi radio is disabled
USB	Green	Slow Blink (1/s)	WPS push-button activated
		OFF	WPS is not active
LAN1-4	Green	ON	Telephone port registered for service
		Slow Blink (1/s)	Telephone line is off hook
PHONE	Green	OFF	Telephone port is disabled or un-registered
		ON	Device is connected to USB port
USB	Green	OFF	No device connected

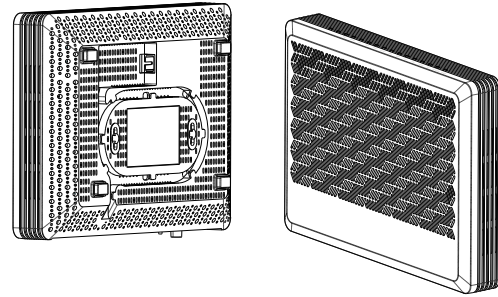
3.1 Installation



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.

3.2 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.

4 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 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.

5 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 ONT during lightning 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.

6 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. PM6165B may only be repaired by authorized service personnel.

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