



Quick Installation Guide

XGSPON Optical Network Unit



| Technical Specifications

Power adapter input: 100–240 V AC, 50/60 Hz
System power supply: 12V DC, 1.5A
Operating temperature: -5°C to 45°C
Operating humidity: 10% to 95% RH (non-condensing)
Weight: About 330g
System power consumption: < 18W

| Product Overview

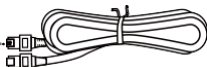
Optical Network Unit (ONU) has 4 Ethernet ports
& 2 POTS ports.

1. What's in the box?

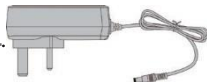
ONU



LAN network cable



Power adapter



Phone cable



This installation guide is also included in the box.

2. Suggested placement of the ONU

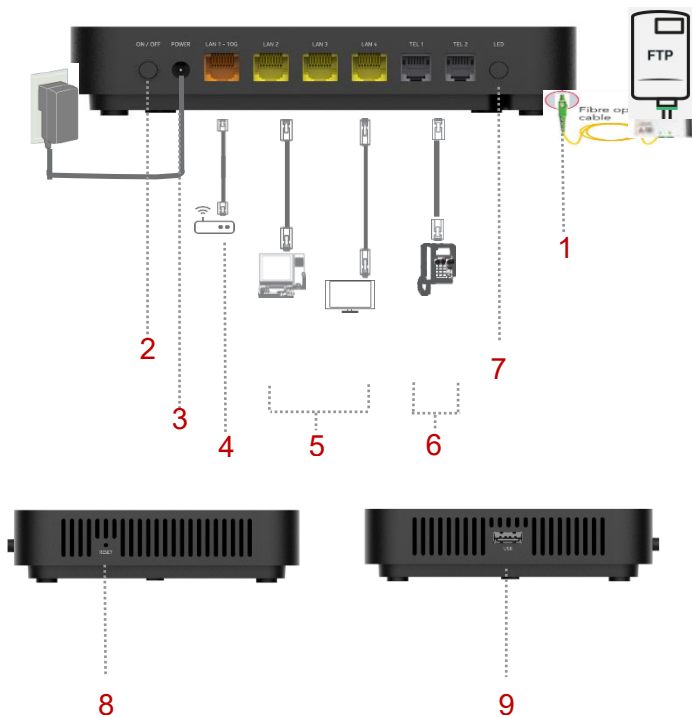


Do not install the ONU outdoors/cabinets which may be exposed to sun or rain.



ONU should be placed in an open area, such as on your desk. Ports at the back of the ONU should be unobstructed.

3. Connecting cables and devices to ONU



-
- | | |
|-------------------|------------------------|
| 1. Fiber port | 6. Two telephone ports |
| 2. Power switch | 7. LED Switch |
| 3. Power port | 8. Reset button |
| 4. One 10GE port | 9. USB port |
| 5. Three GE ports | |

Step 1: Connect the LAN network cable from the Ethernet port of your device to a LAN port, e.g. Computer

Step 2: Connect the phone cable from your phone to the assigned TEL port.

Step 3: Connect the power adapter to the ONU's Power port and your home electrical outlet. The Power indicator on the ONU should be green.



Please don't connect fiber cable to the ONU before configuring the FTTH ID (section 4.2).

4. Configuring the ONU

4.1 Logging in to the webpage for configuration

Step 1: Connect your PC to the ONU through the Ethernet port.

Step 2: Enter **http://192.168.1.254** in the address bar of your Internet Browser and press **Enter**. When the login window is displayed, enter username (**admin** by default) and password (printed on the nameplate of the device).

Step 3: Click Login.



Your session will automatically timeout after 5 minutes of inactivity and you will be required to log in again. Replace your default password with a personal one to avoid unauthorized access.

4.2 Configuring the FTTH ID

Step 1: Choose Maintenance > FTTH ID Configuration.

Step 2: Input the FTTH ID (Use FTTH ID provided by Singtel).

Step 3: Click **Save**.



Overview

WAN

Maintenance

SFU or HGU mode switch

Change password

LOID config

FTTH ID configuration

Maintenance / FTTH ID configuration

Current FTTH ID

Enter new FTTH ID

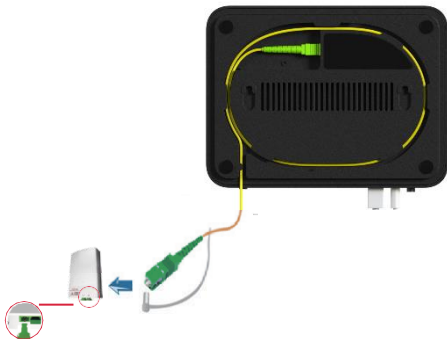
Maximum of 36 ASCII characters allowed. In GPON mode, only first 10 characters take effect.

Save

4.3 Connecting Fiber Cable to the ONU.

1. Connect one end of the fiber patch cord to the fiber port on the bottom of the ONU.
2. Connect the other end of the patch cord to the fiber termination point (FTP).
3. Verify your service **40** seconds later. Refer to section 5 on how to verify your service.

! As the fiber optic cables are made of glass, please do not bend sharply and ensure the bending diameter is larger than 30mm.



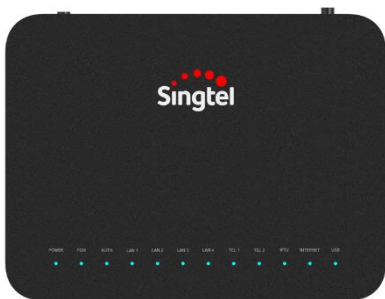
5. Verify if connection is successful

LED indicators on the ONU provide status information of each service connection. Each light indicator indicates the success of the connection listed previously in sections 3 and 4:

- Fiber connection is up if PON indicator is steady green.
- Each of these services are functioning normally if LAN/TEL/INTERNET/IPTV indicators are steady green.

If the PON indicator is flashing, check your fiber connection as stated in section 3 and FTTH ID configuration in section 4.

Refer to section 7 for the other indicator statuses.



6. Resetting to Factory Default

What does it do?

Resets all settings except the FTTH ID.

How do I reset it?

Press the Reset button by using a needle-like object and hold for more than 10 seconds. If the LED indicator turns off and on, your ONU has been successfully restored to factory default.

When should I perform a factory reset?

To reset all the settings except the FTTH ID.

Perform the reset operation if you want to erase all the data on the ONU. Please note that this operation may cause the loss of your ONU configuration information and lead to Internet connection failure. If this problem occurs, please contact your service provider for help.

7. Indicator Description

Indicator	Status	LED Description
POWER	Green	ONU is powered on. The LED displays amber first, then green flashing and turns steady green
	Green flashing	ONU is booting up
	Amber flashing	New firmware downloading
	Red	ONU start up is failed
	Off	ONU is powered off
PON	Green	ONU has ranged successfully
	Green flashing	ONU is ranging
	Off	No light source is detected
AUTH	Green	ONR is authorized/authenticated
	Green flashing	ONR is ranging or synchronizing
	Off	ONR is not authorized/authenticated
TEL 1 - TEL 2	Green	SIP/Call account is registered
	Green flashing	Phone call in progress or SIP account registration in progress
	Off	SIP/Call account is not registered
LAN 1 - LAN 4	Green	Ethernet connected or powered device connected to LAN port
	Green flashing	Data activity present (traffic in either direction)
	Off	Power off or Ethernet not connected
IPTV	Green	IPTV WAN IP address and STB detected and operational
	Green flashing	No IP address obtained in IPTV interface
	Off	No STB detected
INTERNET	Green	Internet service is OK
	Green flashing	IP Acquisition is in progress
	Off	Internet service is down

USB	Green	A device is connected to the USB port
	Green flashing	Traffic is passing through the USB connection
	Off	No device is connected to the USB port