Model List

Model	Functions	Select
7271G	2POTS+2GE+MOCA	
7272G	2POTS+2GE+MOCA+WiFi	
7278G	2POTS+2GE+MOCA+CATV+WiFi	
7279G	2POTS+2GE+MOCA+CATV+Return+WiFi	

FCC Notice -1

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 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 to 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

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Safety Caution Statement

To satisfy FCC RF exposure requirement for mobile and base station transmission devices, a separation distance of 20cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Notice -2

This device is intended to be attached to a receiver that is not used to receive over-the-air broadcast signals. Connection of this device in any other fashion may cause harmful interference to radio communications and is in violation of the FCC Rules, part 15.

The 72xxG North America edition is limited to channels 1-11. This limited operation can be only set by software and was set before the product left the production line. All the products for the North American market were programmed with this limit before shipping. Customers have no way to choose the channels 12 & 13. Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

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

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GPON SFU ONT

Quick Install Guide

OVERVIEW

The 72xx SFU residential ONT delivers high quality VoIP voice service, Ethernet data service for high-speed internet access and IPTV broadcast video plus video on demand services. They provide the following user features: (see *Model List* for exact features)

- 2 POTS ports - voice telephone service
- 2 LAN ports - Ethernet connectivity
- WiFi ports - WiFi connectivity
- CATV ports - CATV, Return and MOCA services
- USB ports - data backups service
- UPS ports - UPS service

INSTALLATION

The 72xx SFU ONT can be mounted vertically or horizontally on any flat surface.

Unpack

Unpack the unit and verify that it is free from shipping damage.:

Desk Mount

1.) Set the unit on a flat surface considering the following:

- within reach of the power source
- no thermal obstructions
- not in direct sunlight
- user ability to monitor/operate the unit

Wall Mount

1.) Use wall anchors or wood screws (if mounting to plywood mounted on a wall), spaced 5.709" apart center to center for horizontal mounting or 3.543" apart center to center for vertical mounting.

Fiber Connection

1.) On the back left side of the unit is fiber cover. Slide it off as shown.

2.) With the fiber connector exposed, remove the dust plug, clean the fiber ends and terminate the SC equipped fiber.

Danger! . *Exposure to invisible LASER radiation may cause serious retinal damage or even blindness.*
Verify the optical source is disabled through the use of an optical power meter before handling optical fibers.
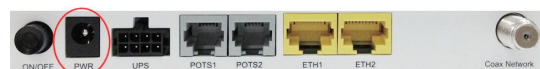
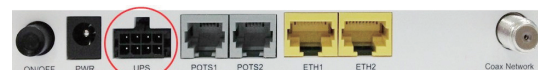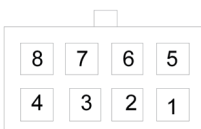3.) Insert the fiber into the cover slot and slide the cover back onto the 72xx unit.

DC Power Input

1.) Connect the 2.1mm DC power plug to the port labeled PWR.

UPS Power and Alarms

1.) The UPS power/alarm input uses a MOLEX 43025-0800 connector. Pin orientation as shown is viewed from the rear.
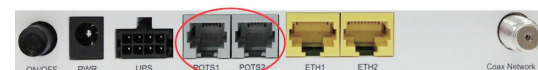
8	7	6	5
4	3	2	1

PIN	NAME	ALM
1	Power Input (+12 VDC)	–
2	UPS Status: On Battery	1
3	UPS Status: Battery Missing	2
4	Signal Return	–
5	Power 12V Return	–
6	UPS Status: Replace Bettery	3
7	UPS Status: Low Battery	4
8	No Connection (N/A)	–

Pins for the connector are Molex 46235-5002

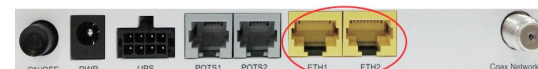**NOTICE:** *Please adopt UL certificated UPS which meets Limited Power Source standard.*

POTS Connections

1.) Connect up to 2 phones to the ports labeled POTS1 and POTS2.

LAN Connections

1.) Connect the computers/routers to the ports labeled ETH1 through ETH2.
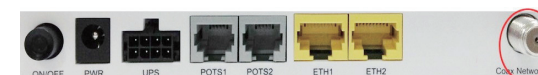
CATV Connection

1.) Connect the television to the port labeled Coax Network. This port also supports Return Service on select models.

MoCA Connection

1.) Connect the coaxial cable to the port labeled Coax Network, the same port with CATV.

WiFi Connection

1.) Change the notebook/computer WiFi network SSID to "iphotonix-ONTxxxx". This may be changed manually.
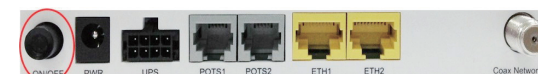
USB Connection

1.) Connect the flash-disk/portable hard disk to the port labeled USB on the left side of the units.

User Controls

1.) The 72xx SFU ONT is equipped with an ON/OFF button. User functionality should be limited to this button.

LED Descriptions

The 72xx SFU ONT has visual LED indicators to help the user determine the operational state of the unit. The LEDs are defined as follows:

Power

ON	Unit is powered on
OFF	Unit is powered off

Battery

ON	Battery is charged and unit is operating normally on external power.
Flashing Slow	Unit is running off of battery power only. Check power supply to unit.
Flashing Fast	Battery is low and unit may turn off if external power is not restored.
OFF	Battery is missing or defective.

FAIL

ON	Indicates Loss Of Signal (LOS). No optical signal is present.
Flashing Slow	Marginal signal indicates a weak optical signal from carrier. Clean fiber connection per local practice and check power with an optical meter.
Flashing Fast	Software upgrade has failed.
OFF	Optical signal is present and operating normally.

MoCA

ON	MoCA link active
Flashing	Indicates data transmission / reception.
OFF	No MoCA link active

VIDEO

ON	Video is active
OFF	Video is not active.

ETH 1- 2

ON	Ethernet link is operational.
Flashing	Indicates data transmission / reception.
OFF	No Ethernet link or port is not equipped.

POTS

ON	Line is off hook (call active or in process)
Flashing Slow	Indicates ringing line.
OFF	Line is on hook (no call in process) or port is not equipped.

MGMT

ON	Management channel (OMCI) is active
OFF	Management channel (OMCI) is not active.

WLAN

ON	WiFi function is active (+2– -6 range)
Flashing	Indicates active data TX/RX
OFF	WiFi function is not active

Environmental Requirements

Rated Voltage:	DC 12V
Rated Current:	2A
Operating Temperature:	+5°C to +40°C
Operating Relative Humidity:	5% to 85%
Storage Temperature:	-40°C to +60°C
Storage Relative Humidity:	0% to 95%

技术要求：
1、标签用于IPHOTONIX室内机项目；
2、折叠后尺寸64X154mm;折叠后封面朝上；
3、材质：70g书写纸；
4、印刷颜色：黑色印刷，双面印；
5、公差±1mm；
6、材料及印刷工艺均满足ROHS要求。