COMCAST GROUP

WiFi   LINK/ACT   REG   LOS   POWER

781W COMCAST

Contenido

Chapter 1 Product Introduction

1.1 Product Description

1GE+WiFi 2.2 XPON ONU is support Dual mode(EPON and GPON), It can also be applied to a wide temperature environment, good WiFi coverage and also has a powerful firewall function.

1GE+WiFi 2.2 XPON ONU meets telecom operators FTTO (office), FTTD (Desk), FTTH(Home) broadband speed, SOHO broadband access, video surveillance and other requirements and design a GPON/EPON Gigabit Ethernet products . The box is based on the mature Gigabit GPON/EPON technology, highly reliable and easy to maintain, withguaranteed QOS for different service. And it is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.

Figure 1-1: 1GE+WIFI 2.2 XPON ONU

1.2 Special features

- integrated auto detecting, auto configuration, and auto firmware upgrade technology.
- Support OAM/OMCI remote configuration and maintenance.
- Support rich VLAN, DHCP Server and IGMP snooping multicast feature.
- Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.
- Support NAT, Firewall function.
- The WAN port supports bridge or router mode.

1.3 Technical Parameter

Technical items	Descriptions
PON interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Wavelength:Tx1310nm,Rx 1490nm SC/UPC or SC/APC connector Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM
Wavelength	Tx1310nm,Rx 1490nm
Optical interface	SC/UPC or SC/APC connector
Interface	1* 10/100/1000Mbps auto adaptive Ethernet interfaces. Full /Half Duplex, RJ45 connectors.
Wireless	Compliant with IEEE802.11b/g/n, 300Mbps, 2T2R 1 internal antenna,dual external antenna
Indicator	5 indicators，POWER、LOS、REG、LINK/ACT、SYS
Operating condition	-5℃～55℃，10%～90%（non-condenseing）
Storing condition	-30℃～60℃，10%～90%（non-condenseing）
Power supply	DC 12V,0.5A
Power consumption	≤6W
Dimension	120mm×78mm×30mm（L×W×H）
Net weight	0.13Kg

1.4 Application chart
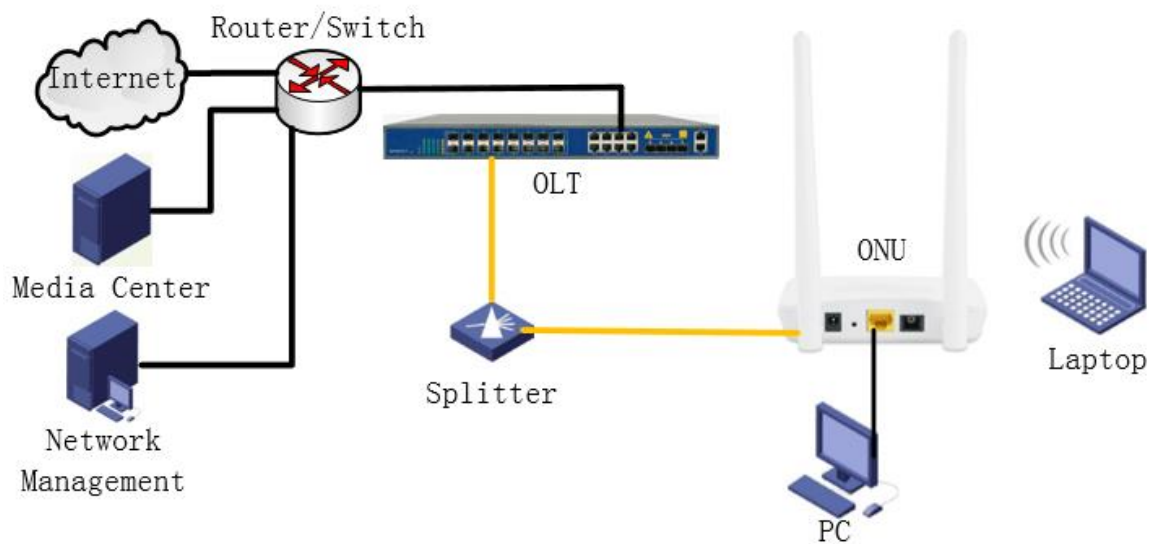
Figure 1-2: Application chart

1.5 Panel description

Interface panel

Figure 1-3: Interface panel

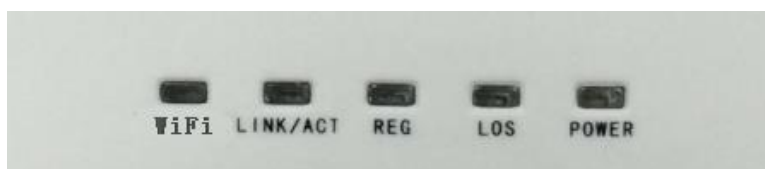| Name	Function
ON/OFF	Power switch.
RST	Reset button. Press down less than 10s to restart ONU and more than 10s to restore factory default.
LAN	Ethernet port.
PON	G/EPON interface, SC/PC type, single mode optical fiber cable.

Indication Panel

Figure 1-4: Indication panel

LED	Mark	Status	Description
WiFi	WiFi	On	The WiFi runs normal.
		OFF	The WiFi is powered down.
Ethernet	LINK/ACT	ON	Port is connected properly.
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data.
Registration	REG	ON	The device is registered to the G/EPON system.
		OFF	Device is not registered to the G/EPON system.
		Blink	Device is registering.
Optical signal	LOS	Blink	Device does not receive optical signals.
		OFF	Device has received optical signals.
Power	POWER	ON	The device is powered up.
		OFF	The device is powered down.

Chapter 2 Quick Installation

2.1 Standard Packing Contents

When you receive our products, please check carefully to make sure that our products whether have some defects or not. If something wrong with shipping, please contact carrier; other damage or lack of some parts, please contact with dealer.

Contents	Description
ONU	1 pcs
Power Adapter	1 pcs
User Manual	1 pcs
QC Card	1 pcs

2.2 Quick Installation

1. Connecting the optical fiber cable to the unit.
   a) Remove the protective cap of the optical fiber.
   b) Clean the end of the optical fiber with an optical fiber end cleaner.
   c) Remove the protective cap of the ONU optical interface (PON interface). Connect the fiber to the PON port on the unit.

   Note: When measuring the optical power before connecting to the ONU, it is recommended to use a PON Inline Power Meter.

While connecting, please note:

- Keep the optical connector and the optical fiber clean.
- Make sure there are no tight bends in the fiber and that the bending diameter is greater than 6cm. Otherwise, the optical signal loss may be increased, to the extent that signal may be unavailable.
- Cover all optic ports and connectors with protective cap to guard against dust and moisture when the fiber is not used.

2. Apply power to the unit. Push the power button.

3. After the ONU is power ON, Indicators should light up as for normal operation. Check whether the PON interface status LED (PON) is on continuously. If it is, the connection is normal; otherwise there is either problem of the physical connection or the optical level at either end. This may be caused by either too much or too little attenuation over the optical fiber. Please refer to the Layout Description section of this installation manual for normal LED activity.

4. Check all signal levels and services on all the ONU communication ports.

Unit Installation Adjustment

Installing the ONU on a horizontal surface (Bench top)

Put the ONU on a clean, flat, sturdy bench top. You must keep the clearance for all sides of the unit to more than 10cm for heat dissipation.

Installing the ONU on a vertical surface (Hanging on a wall)

You can install the ONU on a vertical surface by using the mounting holes on the bottom of the ONU chassis and two flat-head wood screws.

a) Insert the screws into the wall. The screw positions must be in the same horizontal line and the distance between them must be 145mm. Reserved at least 6mm between the screw caps and the wall.

b) Hang the ONU on the screws through the mounting holes.

For More Information

Please visit our website www.comcast-sa.com or contact your local sales representative.

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