XPON 2GE+1200AC+POTS

Overview

- 2GE+1200AC+POTS is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides data and video service access.

- 2GE+1200AC+POTS is based on mature and stable, cost-effective XPON technology. It could switch automatically into EPON mode or GPON mode when access to the EPON OLT and GPON OLT.

- 2GE+1200AC+POTS adopts high reliability, easy management, configuration flexibility and good quality of service   guarantees to meet the technical performance of EPON Standard of China Telecom CTC3.0 and GPON Standard of ITU-TG.984.X

- 2GE+1200AC+POTS is designed by Realtek chipset 9607C.

Feature

- Supports GPON and EPON auto detection

- Support Rogue ONT detection

- Support Route mode PPPoE/DHCP/Static IP and Bridge mixed mode

- Support NAT, Firewall function.

- Support Internet, IPTV and VoIP services automatically bound to ONT ports

- Support Virtual server, DMZ, and DDNS, UPnP

- Support Filtering based on MAC/IP/URL

- Support Access Control

- Support SIP protocol for VoIP Service

- Support 802.11 b/g/n, 802.11ac WIFI(2x2 MIMO) function and Multiple SSID

- Support NAT, Firewall function.

- Support Flow & Storm Control , Loop Detection and Port Forwarding

- Support IPv4/IPv6 dual stack and DS-Lite

- Support IGMP transparent/snooping/proxy

- Support TR069 Remote Configuration and maintenance

- Integrated OAM remote configuration and maintenance function

● Compatible with popular OLT (HW, ZTE, FiberHome...)

Specification

Technical Item	Details
PON interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Upstream: 1310nm; Downstream: 1490nm SC/UPC connector Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM
LAN interface	2 x 10/100/1000Mbps auto adaptive Ethernet interfaces Full/Half, RJ45 connector
WIFI Interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.400-2.483GHz, rate up to 300Mbps 5.0GHz Operating frequency: 5.150-5.825GHz, rate up to 867Mbps Support 2*2MIMO, 5dBi external antenna. Support: multiple SSID TX power: 11n--22dBm/11ac--24dBm
POTS Port	RJ11 Max 1km distance Balanced Ring, 50V RMS
LED	8 LED, For Status of PWR、LOS、PON、LAN1、LAN2、2.4G、5.8G、FXS
Push-Button	3 button for Function of Power on/off, Reset, WPS
Operating condition	Temperature : 0℃～+50℃ Humidity :10%～90%（non-condensing）
Storing Condition	Temperature : -40℃～+60℃ Humidity :10%～90%（non-condensing）
Power supply	DC 12V/1A
Power Consumption	<6W
Net Weight	<0.3kg

Panel lights and Introduction

Pilot Lamp	Status	Description
2.4G	On	2.4G WIFI up
	Blink	2.4G WIFI is sending or/and receiving data (ACT).
	Off	2.4G WIFI down
5.8G	On	5G WIFI up
	Blink	5G WIFI is sending or/and receiving data (ACT).
	Off	5G WIFI down
PWR	On	The device is powered up.
	Off	The device is powered down.
LOS	Blink	The device doses not receive optical signals or with low signals.

	Off	The device has received optical signal.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LAN1~LAN2	On	Port (LANx) is connected properly (LINK).
	Blink	Port (LANx) is sending or/and receiving data (ACT).
	Off	Port (LANx) connection exception or not connected.
FXS	On	Telephone has registered to the SIP Server.
	Blink	Telephone has registered and data transmission (ACT).
	Off	Telephone registration is incorrect.

Application

- Typical Solution：FTTO(Office)、FTTB(Building)、FTTH(Home)

- Typical Service：Broadband Internet access, IPV, VOD, video surveillance, CATV etc.
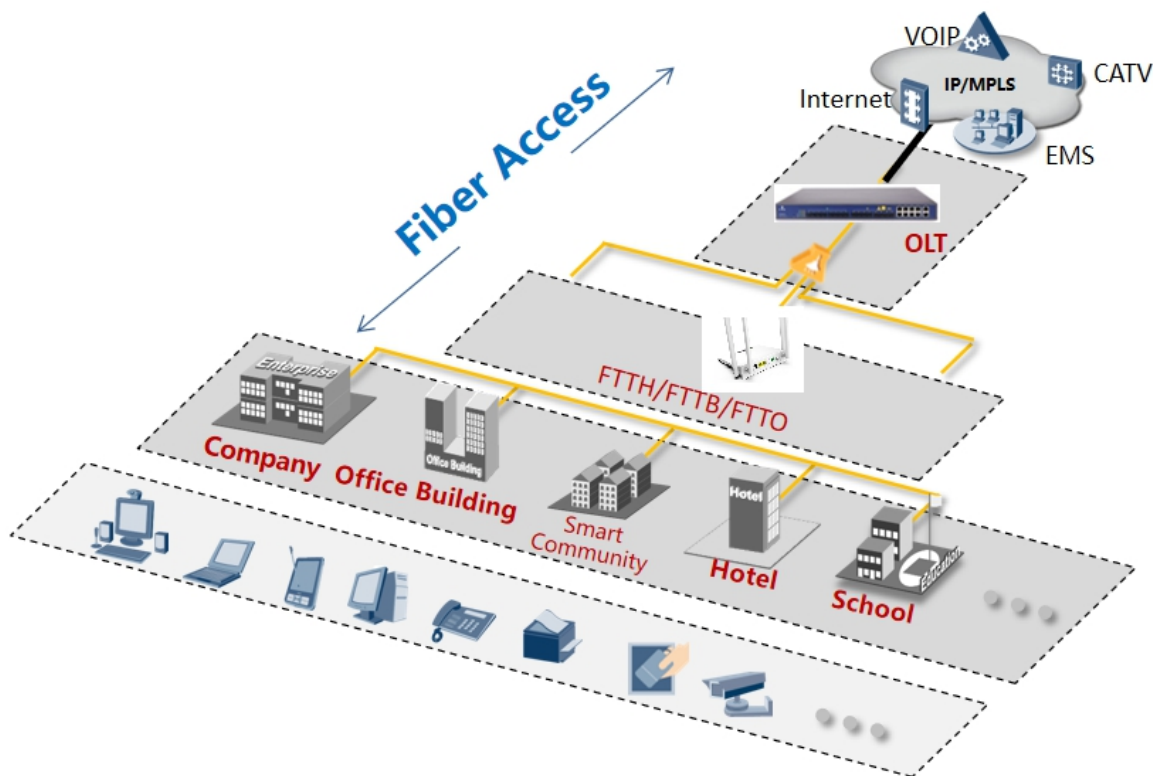
Appearance

Ordering information

Product Name	Product Model	Descriptions
2GE+AC+POTS XPON	Model Name: QF-CXAC200WP Model Series: CX1012R007	2*10/100/1000M, 1 GPON interface, RJ11 interface, support WIFI 5G&2.4G, plastic casing, external power supply adapter