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# XPON 1G1F+WIFI

## Overview

- 1G1F+WIFI is designed as HGU (Home Gateway Unit) in deferent FTTH solutions; the carrier-class FTTH application provides data service access.
- 1G1F+WIFI is based on mature and stable, cost-effective XPON technology. It can switch automatically with EPON and GPON mode when it access to the EPON OLT or GPON OLT.
- 1G1F+WIFI adopts high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance of the module of China Telecom EPON CTC3.0.
- 1G1F+WIFI is compliant with IEEE802.11n STD, adopts with 2x2 MIMO, the highest rate up to 300Mbps.
- XPON 1G1F+WIFI are fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.
- XPON 1G1F+WIFI is designed by Realtek chipset 9602C

## Feature

- Supports Dual Mode (can access GPON/EPON OLT).
- Supports GPON G.984/G.988 standards
- Support 802.11n WIFI (2x2 MIMO) function
- Support NAT, Firewall function.
- Support Flow & Storm Control , Loop Detection, Port Forwarding and Loop-Detect
- Support port mode of VLAN configuration
- Support LAN IP and DHCP Server configuration
- Support TR069 Remote Configuration and WEB Management
- Support Route PPPoE/IPoE/DHCP/Static IP and Bridge mixed mode
- Support IPv4/IPv6 dual stack
- Support IGMP transparent/snooping/proxy
- In compliant with IEEE802.3ah standard

- 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: $\leq -27$ dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM
LAN interface	1x10/100/1000Mbps and 1x10/100Mbps auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
WIFI Interface	Compliant with IEEE802.11b/g/n Operating frequency: 2.400-2.4835GHz support MIMO, rate up to 300Mbps 2T2R,2 external antenna 5dBi Support: Multiple SSID Channel:13 Modulation type: DSSS、CCK and OFDM Encoding scheme: BPSK、QPSK、16QAM and 64QAM
LED	7 LED, For Status of POWER, LOS, PON, LAN1~LAN2, WIFI, WPS
Push-Button	4, for Function of Power on/off, Reset, WPS, WIFI
Operating condition	Temperature : 0°C ~ +50°C Humidity :10%~90% ( non-condensing )
Storing Condition	Temperature : -40°C ~ +60°C Humidity :10%~90% ( non-condensing )
Power supply	DC 12V/1A
Power Consumption	<6W
Net Weight	<0.4kg

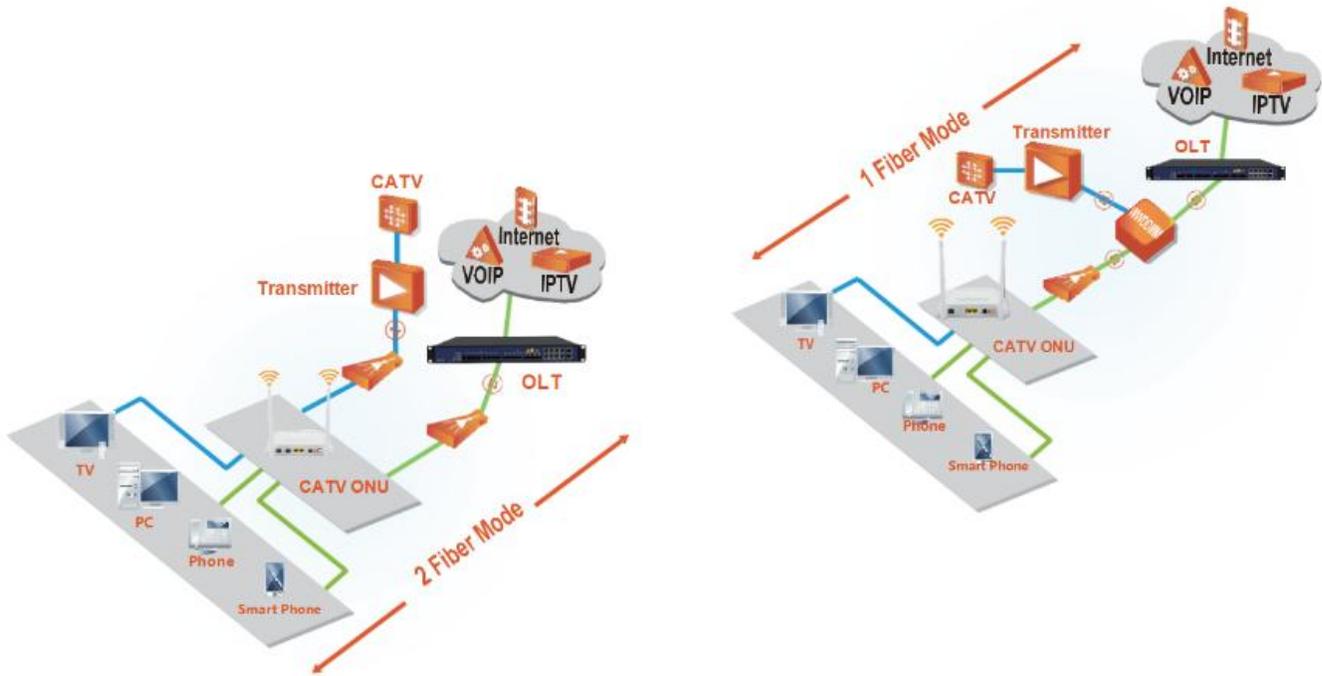
## Panel lights and Introduction

Pilot Lamp	Status	Description
WIFI	On	The WIFI interface is up.
	Blink	The WIFI interface is sending or/and receiving data (ACT).
	Off	The WIFI interface is down.
WPS	Blink	The WIFI interface is securely establishing a connection.
	Off	The WIFI interface does not establish a secure connection.
PWR	On	The device is powered up.
	Off	The device is powered down.
LOS	Blink	The device does 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.

## Application

- Typical Solution: FTTO(Office)、FTTB(Building)、FTTH(Home)
- Typical Service: Broadband Internet access, IPTV etc.



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## Appearance



## Ordering information

Product Name	Descriptions
1G1F+WIFI XPON	10/100/1000Mbps auto adaptive Ethernet (RJ45) ,1 GPON interface, Plastic Casing, External power supply adapter