

# ZP-9022-VGW

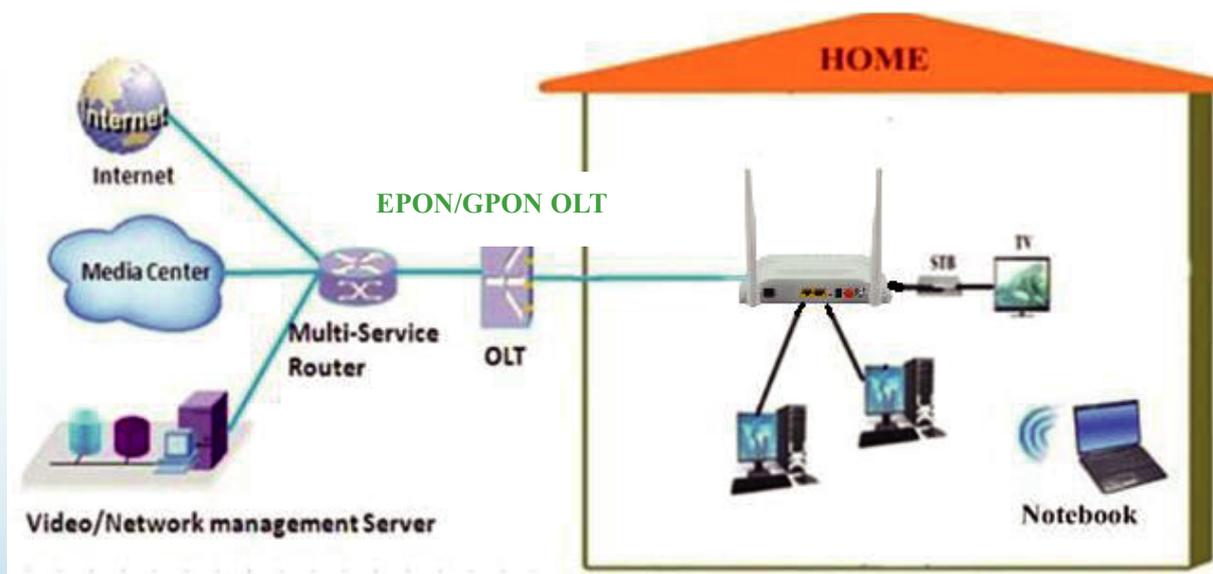
## 1GE+1FE+WIFI DUAL MODE ONU Introduction



### Product Overview

Model	Type	Main chip
ZP-9022-VGW	1EPON/GPON+1GE+1FE+WIFI	Realtek

### Application Chart



## Technical parameters

Technical item	1GE+1FE+WiFi
PON interface	1 xPON port(EPON PX20+ and GPON Class B+) Receiving sensitivity: $\leq -28\text{dBm}$ Transmitting optical power: $0\sim+4\text{dBm}$ Transmission distance: 20KM
Wavelength	Tx1310nm,Rx 1490nm
Optical interface	SC/UPC connector
LAN interface	1 x 10/100/1000Mbps and 1 x 10/100Mbps 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	6, For Status of POWER、LOS、PON、GE、FE、WIFI
Operating condition	Temperature: $0^{\circ}\text{C}\sim+50^{\circ}\text{C}$ Humidity: 10%~90% (non-condensing)
Storing condition	Temperature: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$ Humidity: 10%~90% (non-condensing)
Power supply	DC 12V/1A
Power supply	$\leq 6\text{W}$
Dimension	185mm×120mm×34mm (L×W×H)
Net weight	0.24Kg

## Panel lights

LED	Mark	Status	Description
Power	PWR	On	Device is powered up.
		Off	Device is powered down.
Optical signal loss	LOS	Blink	Device does not receive optical signals.
		Off	Device has received optical signal.
Registration	REG	On	Device is registered to the PON system.
		Off	Device is not registered to the PON system.
		Blink	Device is registering.

Interface	GE、FE	On	Port is connected properly.
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data.
Wireless	WiFi	On	WiFi turned on.
		Off	Device is power off or WiFi turned off.
		Blink	WiFi data transmission.

## Interface description

Port Type	Function
PON	SC/UPC type, single mode optical fiber cable
GE、FE	Connect device with ethernet port by RJ-45 cat5 cable.
RST	Press down reset button and keep 1-5seconds to make the device restart and recover from the factory default settings.
DC12V	Connect with power adapter.
Power On/OFF	Power turn on/off.

## Software Key Feature

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EPON/GPON mode	Dual Mode , Can access EPON/GPON OLTs(HUAWEI、 ZTE、 FiberHome, etc).
Software mode	Bridging and Routing Mode.
Layer2	802.1D&802.1ad bridge,802.1p Cos,802.1Q VLAN.
Layer3	IPv4/IPv6 , DHCP Client/Server , PPPoE ,NAT , DMZ ,DDNS.
Multicast	IGMPv1/v2/v3 , IGMP snooping.
Security	Flow & Storm control, Loop Detection.
WiFi	IEEE802.11b/g/n (TX power:17dBm/16dBm/15dBm),Up to 300Mbps Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES).
Firewall	Filtering Based on ACL/MAC/URL.
O&M	WEB/TELNET/OAM/OMCI/TR069, Support private OAM/OMCI protocol and Unified network management of ZP OLT.