



## V2801RH / V2802RH

1\*XPON+1\*2.5GbE / 1\*XPON+1\*2.5GbE+1\*GE ONT

### Key Features:



XPON Dual Mode  
Automatically Access to  
EPON/GPON



Detecting  
Rogue ONU



2.5GbE  
LAN Port



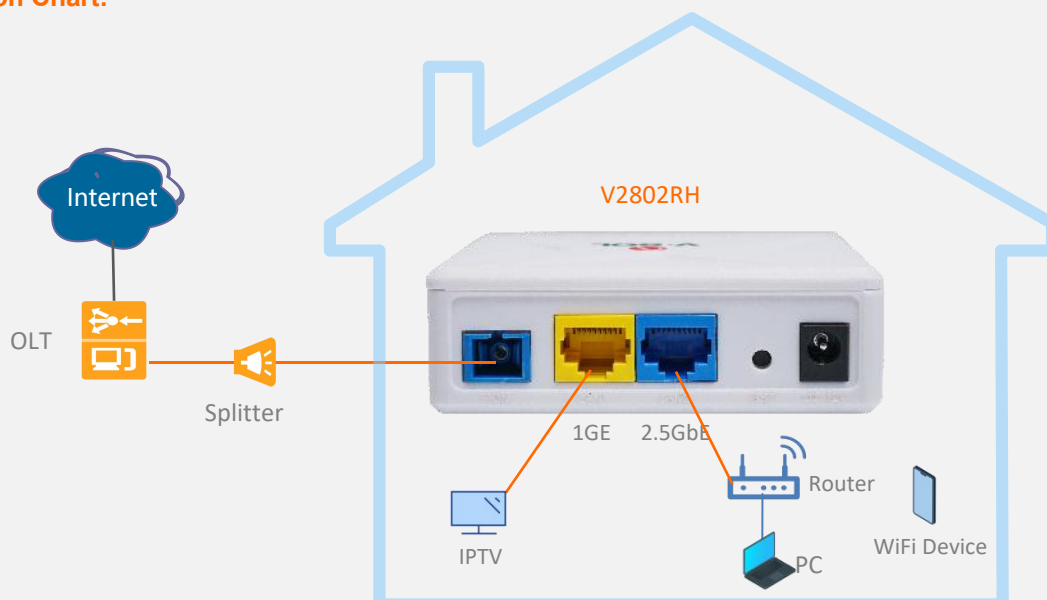
Wide Working Temp  
-10°C~+50°C

### Introduction:

V2801RH/V2802RH is support XPON Dual mode(EPON and GPON), It can also be applied to a wide temperature environment, and also has a powerful firewall function.

V2801RH/V2802RH 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, with guaranteed QOS for different service. And it is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.

### Application Chart:



## ○ Hardware Parameter

Dimension	100mm*92mm*29.5mm(L*W*H)
Net weight	TBD
Operating condition	<ul style="list-style-type: none"> <li>Operating temp: -10 ~ +50°C</li> <li>Operating humidity: 10 ~ 90% (non-condensed)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>Storing temp:-30~+70°C</li> <li>Storing humidity: 10 ~ 90% (non-condensed)</li> </ul>
Power adapter	DC 12V, 0.5A, external AC-DC power adaptor
Interfaces	1*2.5GbE+1*GE(Option for V2802RH)
Indicators	POWER, PON, LOS, WAN, LAN1, LAN2

## ○ Interface Parameter

PON interface	<ul style="list-style-type: none"> <li>1 X PON port(EPON PX20+ &amp; GPON Class B+)</li> <li>SC single mode, SC/UPC connector</li> <li>TX optical power: 0~+4dBm</li> <li>RX sensitivity: -27dBm</li> <li>Overload optical power: -3dBm(EPON) or -8dBm(GPON)</li> <li>Transmission distance: 20KM</li> <li>Wavelength: TX 1310nm, RX1490nm</li> </ul>
LAN interface	1*2.5GbE+1*GE(Option), Auto-negotiation RJ45 connectors
Button	Reset

## ○ Function Data

XPON Mode	Dual mode,Auto-access to EPON/GPON OLT
Uplink Mode	Bridging and Routing Mode
Abnormal protection	Detecting Rogue ONU, Hardware Dying Gasp
Firewall	DDOS, Filtering Based on ACL/MAC/URL

## ○ Product Feature

Basic	<ul style="list-style-type: none"> <li>Support MPCP discover&amp;register</li> <li>Support authentication Mac/Loid/Mac+Loid</li> <li>Support Triple Churning</li> <li>Support DBA bandwidth</li> <li>Support auto-detecting, auto-configuration, and auto firmware upgrade</li> <li>Support SN/Psw/Loid/Loid+Psw authentication</li> </ul>
Alarm	<ul style="list-style-type: none"> <li>Support Dying Gasp</li> <li>Support Port Loop Detect</li> <li>Support Eth Port Los</li> </ul>
LAN	<ul style="list-style-type: none"> <li>Support Port rate limiting</li> <li>Support Loop detection</li> <li>Support Flow control</li> <li>Support Storm control</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>Support VLAN tag mode</li> <li>Support VLAN transparent mode</li> <li>Support VLAN trunk mode(max 8 vlans)</li> <li>Support VLAN 1:1 translation mode(≤8 vlans)</li> <li>Auto VLAN detection</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>Support IGMPv1/v2/Snooping</li> <li>Max Multicast vlan 8</li> <li>Max Multicast Group 64</li> </ul>
QOS	<ul style="list-style-type: none"> <li>Support 4 queues</li> <li>Support SP and WRR</li> <li>Support 802.1P</li> </ul>
L3	<ul style="list-style-type: none"> <li>Support IPv4</li> <li>Support DHCP/PPPOE/Static IP</li> <li>Support Static route</li> <li>Support NAT</li> </ul>
Management	<ul style="list-style-type: none"> <li>Support CTC OAM 2.0 and 2.1</li> <li>Support ITUT984.x OMCI</li> <li>Support TR069/WEB/TELNET/CLI</li> </ul>

Product Name	Product Description	Accessories
V2801RH	1*2.5GbE	AC-DC power adaptor: DC12V/0.5A
V2802RH	1*2.5GbE+1*GE	AC-DC power adaptor: DC12V/0.5A