



## V2905H

10G PON+1\*10GE+4\*GE+1\*USB3.0 ONT

(XG-PON or XGS-PON or 10G EPON(asymmetric) optional.)

### Key Features:



10G PON Solution



10GE  
High Speed Port



IPv4/IPv6 Dual Stack

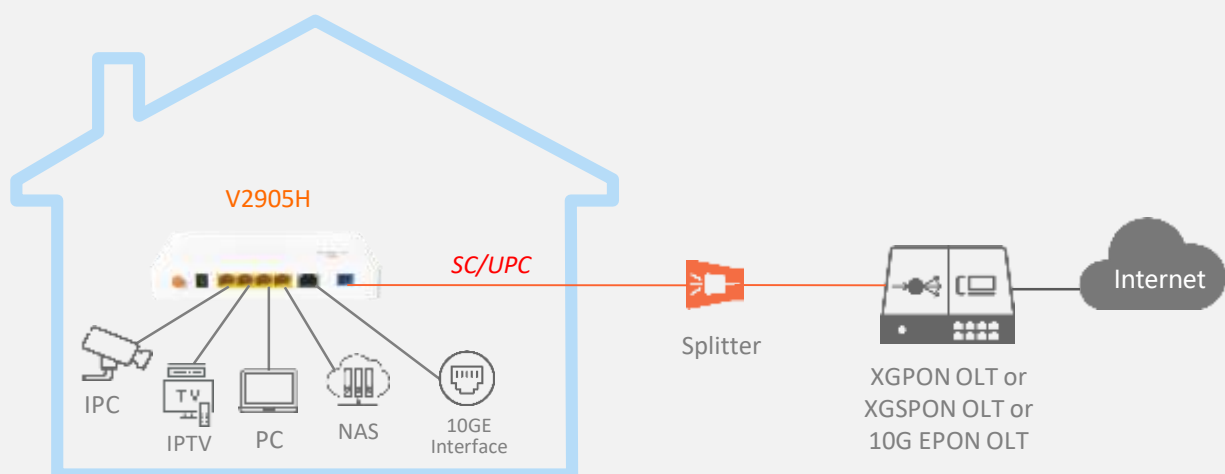


USB3.0 Interface

### Introduction:

The 10G PON ONT V2905H developed by VSOL supports triple modes including XG-PON/XGS-PON/10G EPON(asymmetric), providing multiple rate Ethernet ports of 10GE/GE. It enables fast and stable networking for multiple devices, ensuring a seamless user experience within homes and effortlessly meeting the demands of 4K/8K, VR, and other services. It offers home and enterprise users an ultimate experience of 10G ultra-high-speed internet connection.

### Application Chart:



## ○ Hardware Parameter

Dimension	180mm*120mm*32mm (L*W*H)
Net weight	300g
Operating condition	Operating temp:-10 ~ +55°C Operating humidity:5 ~ 95% (non-condensed)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensed)
Power adapter	12V/1A
Power supply	12W
Interface	1*10GE+4*GE+1*USB3.0
Indicators	PWR, PON, LOS, WAN, LAN1~5, USB

## ○ Interface parameter

PON Interface	<ul style="list-style-type: none"> <li>• SC single mode, SC/UPC connector</li> <li>• TX optical power: 6dBm(XGS-PON), 5dBm(XG-PON),4dBm(10G EPON)</li> <li>• RX sensitivity: -28dBm</li> <li>• Overload optical power: -8dBm</li> <li>• Transmission distance: 20km</li> <li>• Wavelength: <ul style="list-style-type: none"> <li>• XG(S)-PON:DS 1577nm/US 1270nm</li> <li>• 10G EPON:DS 1577nm/US 1310nm</li> </ul> </li> </ul>
10G PON layer	<ul style="list-style-type: none"> <li>• ITU-T G.987(XG-PON)</li> <li>• ITU-T G.9807.1 (XGS-PON)</li> <li>• IEEE 802.3av (10G EPON)</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 1*10GE, Auto-negotiation,RJ45 ports</li> <li>• 4*GE, Auto-negotiation,RJ45 ports</li> <li>• 1*USB3.0</li> </ul>
USB	1×USB 3.0 for Shared Storage

## ○ Function Data

O&M	<ul style="list-style-type: none"> <li>• WEB/TELNET/OAM/OMCI/TR069</li> <li>• Support private OAM/OMCI protocol and Unified network management of VSOL OLT</li> </ul>
Internet connection	Support Bridge/Router mode
Multicast	<ul style="list-style-type: none"> <li>• IGMP v1/v2/v3, IGMP snooping</li> <li>• MLD v1/v2 snooping</li> </ul>
L2	802.1D&802.1ad bridge, 802.1p Cos,802.1Q VLAN
L3	IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS
Firewall	Anti-DDOS, Filtering Based on ACL/MAC /URL

Product Name	Product Description	Accessories
V2905H-XG	1*XG-PON+1*10GE+4*GE+1*USB3.0	AC-DC power adaptor: DC12V / 1A
V2905H-XGS	1*XGS-PON+1*10GE+4*GE+1*USB3.0	
V2905H-XE	1*10G EPON(asymmetric)+1*10GE+4*GE+1*USB3.0	