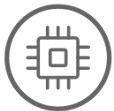




## V2902A

10G PON+1\*10GE+1\*GE SFU ONU  
(XG-PON or XGS-PON optional.)

### Key Features:



10G PON Solution  
High Performance Chipset



10GE  
High Speed Port



IPv4/IPv6 Dual Stack

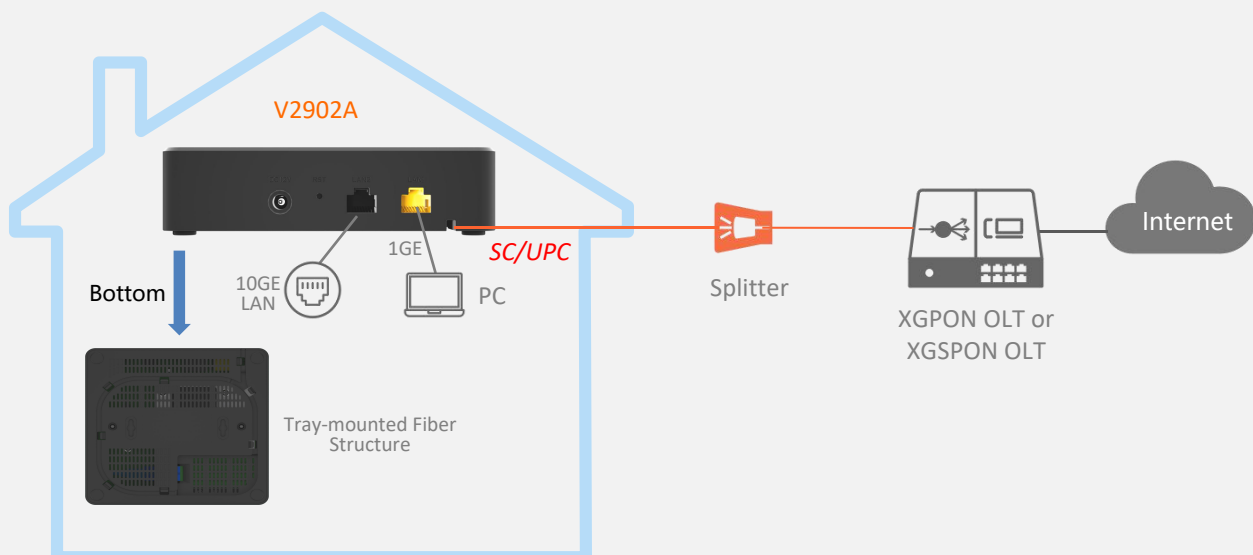


Tray-mounted Fiber  
Structure

### Introduction:

The 10G PON ONU V2902A developed by VSOL supports dual modes including XG-PON/XGS-PON, providing multiple rate Ethernet ports of 10GE/GE. The V2902A can easily meet business needs such as 4K/8K and VR, and can provide home and enterprise users with the ultimate experience of 10G ultra-high-speed Internet connection. With tray-mounted fiber structure fiber design, it can be placed on a desktop or wall-mounted, adapting effortlessly to various scene styles!

### Application Chart:



## ○ Hardware Parameter

Dimension	140mm*140mm*34.5mm (L*W*H)
Net weight	316g
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+1*GE
Indicators	SYS, PON, LOS, LAN1, LAN2

## ○ 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)</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> </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> </ul>
User interface	<ul style="list-style-type: none"> <li>• 1*10GE, Auto-negotiation,RJ45 ports</li> <li>• 1*GE, Auto-negotiation,RJ45 ports</li> </ul>

## ○ Function Data

Internet connection	• Support Bridge mode
Alarm	<ul style="list-style-type: none"> <li>• Support Dying Gasp</li> <li>• Support Port Loop Detect</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</li> <li>• Support VLAN hybrid mode</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMPv1/v2/Snooping</li> <li>• Support multicast protocol VLAN and multicast data stripping</li> <li>• Support multicast translation function</li> </ul>
QoS	• Support WRR、SP+WRR
O&M	<ul style="list-style-type: none"> <li>• WEB/TELNET/SSH/OMCI</li> <li>• Support private OMCI protocol and Unified network management of VSOL OLT</li> </ul>
Firewall	• Support IP address and port filtering function
Other	• Support log function

Product Name	Product Description	Accessories
V2902A	1*XG-PON+1*10GE+1*GE	AC-DC power adaptor: DC12V / 1A
	1*XGS-PON+1*10GE+1*GE	