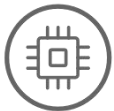


V2901Q-A

10G PON+1*2.5GbE ONU

(XG-PON or XGS-PON optional.)

Key Features:



10G PON Solution
High Performance Chipset



2.5GbE
High Speed Port



IPv4/IPv6 Dual Stack



Tray-mounted Fiber
Structure

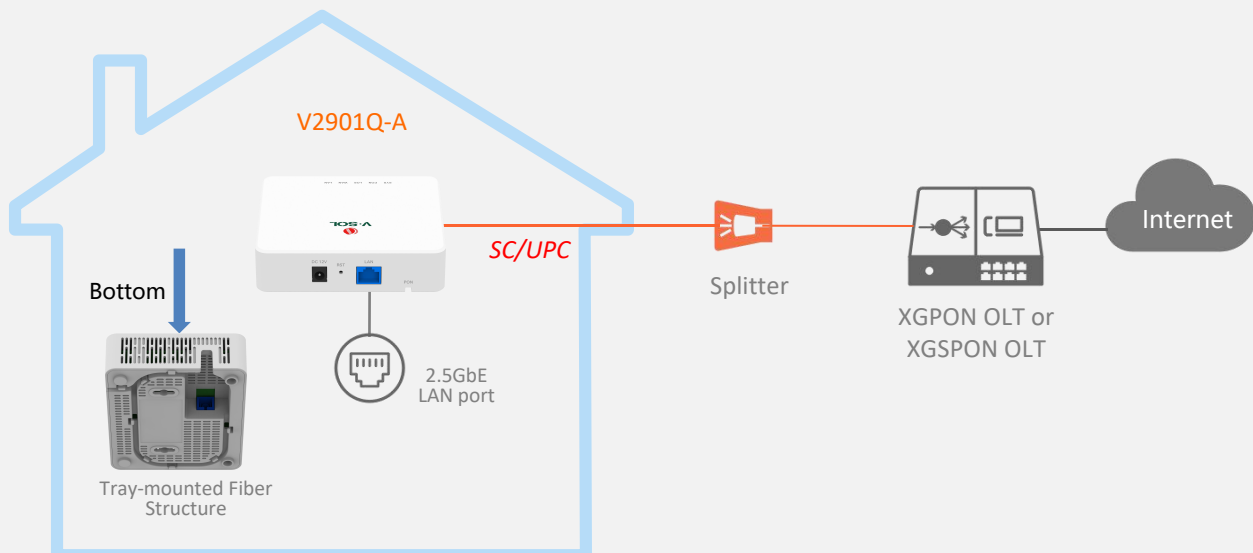
Introduction:

The V2901Q-A (10G PON 2.5GbE ONU) supports both XG-PON and XGS-PON specifications and features a 2.5GbE Ethernet port. This device is specially designed to meet the needs of telecom operators for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, etc.

Based on a high-performance chip solution and featuring one 2.5GbE port, this ONU delivers a high-speed network experience, truly achieving Gigabit-to-the-desktop. It effortlessly supports 4K/8K, VR, and other demanding applications, providing home and business users with the ultimate 2.5G ultra-high-speed internet connectivity experience.

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	120mm×100mm×30mm (L×W×H)
Net weight	125g
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*2.5GbE
Indicators	SYS, PON, LOS, WAN, LAN

○ Interface parameter

PON Interface	<ul style="list-style-type: none"> • SC single mode, SC/UPC connector • TX optical power: 6dBm(XGS-PON)、4dBm(XG-PON) • RX sensitivity: -28dBm • Overload optical power: -8dBm • Transmission distance: 20km • Wavelength: <ul style="list-style-type: none"> • XG(S)-PON:DS 1577nm/US 1270nm
10G PON layer	<ul style="list-style-type: none"> • ITU-T G.987(XG-PON) • ITU-T G.9807.1 (XGS-PON)
User interface	• 1*2.5GbE, Auto-negotiation,RJ45 ports

○ Function Data

Internet connection	Support Bridge/Router mode
Alarm	<ul style="list-style-type: none"> • Support Dying Gasp • Support Port Loop Detect • Support Eth Port Los
LAN	<ul style="list-style-type: none"> • Support Port rate limiting • Support Loop detection • Support Flow control • Support Storm control
VLAN	<ul style="list-style-type: none"> • Support VLAN tag mode • Support VLAN transparent mode • Support VLAN trunk mode • Support VLAN hybrid mode
L2	802.1p Cos,802.1Q VLAN
L3	IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS
Multicast	<ul style="list-style-type: none"> • IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping
QoS	• Support WRR、SP+WRR
O&M	<ul style="list-style-type: none"> • WEB/TELNET/SSH/OMCI • Support private OMCI protocol and Unified network management of VSOL OLT
Firewall	<ul style="list-style-type: none"> • Support IP address and port filtering function • Anti-DDOS, Filtering Based on ACL/MAC /URL

Ordering Information:

Product Name	Product Description	Accessories
V2901Q-A	1*XG-PON+1*2.5GbE	AC-DC power adapter: DC12V / 1A
	1*XGS-PON+1*2.5GbE	