



## V2801Q

1\*XPON+1\*2.5GbE ONU

### Key Features:



XPON Dual Mode  
Automatically Access to  
EPON/GPON



2.5GbE LAN port



Powerful Firewall



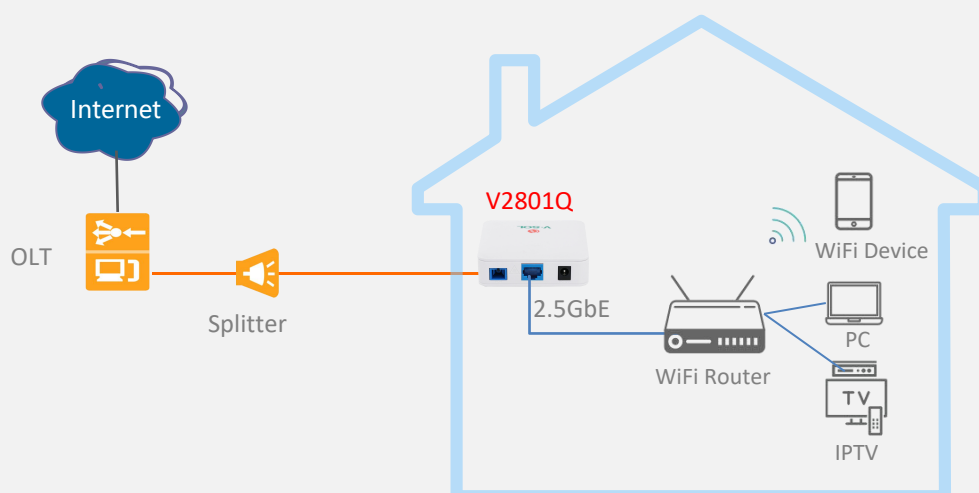
Wide Working Temp  
-10°C~+55°C

### Introduction:

V2801Q( XPON 2.5GbE ONU ) is specially designed to meet the needs of telecom operators for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, video surveillance, etc. This ONU is based on a high-performance chip solution and has a 2.5GbE port, which can provide users with a high-speed network experience and truly realize Gigabit to the desktop.

The ONT has high reliability and can be applied to a wide temperature environment; and has a powerful firewall function, which is easy to manage and maintain. It can provide QoS guarantee for different services. The ONT complies with international technical standards such as IEEE802.3ah and ITU-T G.984.

### Application Chart:



## ○ Hardware Parameter

|                     |                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Dimension           | 82mm×82mm×25mm(L×W×H)                                                                                                                   |
| Net weight          | NA                                                                                                                                      |
| Operating condition | <ul style="list-style-type: none"> <li>• Operating temp: -10 ~ +55°C</li> <li>• Operating humidity: 5 ~ 95% (non-condensing)</li> </ul> |
| Storing condition   | <ul style="list-style-type: none"> <li>• Storing temp: -40 ~ +70°C</li> <li>• Storing humidity: 5~ 95% (non-condensing)</li> </ul>      |
| Power adapter       | DC 12V, 0.5A, external AC-DC power adaptor                                                                                              |
| Power supply        | ≤4W                                                                                                                                     |
| Interfaces          | 2.5GbE                                                                                                                                  |
| Indicators          | SYS, LINK/ACT, REG                                                                                                                      |

## ○ Interface Parameter

|               |                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PON interface | <ul style="list-style-type: none"> <li>• 1 XPON 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, Auto-negotiation RJ45 connectors                                                                                                                                                                                                                                                                                                                         |

## ○ 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> </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/IPv6</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 WEB</li> <li>• Support TR069</li> <li>• Support TELNET</li> <li>• Support CLI</li> </ul>                                                                                                                                     |

### Ordering Information:

| Product Name | Product Description | Accessories                     |
|--------------|---------------------|---------------------------------|
| V2801Q       | 1*XPON+1*2.5GbE     | AC-DC power adaptor: DC12V/0.5A |