



Wall mounted type  
(With tray-mounted fiber structure)



Desktop type  
(Without tray-mounted fiber structure)

## V2801SC

1\*XPON+1GE ONT with Tray-mounted Fiber Structure

### Key Features:



XPON Dual Mode  
Automatically Access to  
EPON/GPON



Tray-mounted  
Fiber Structure



Powerful Firewall



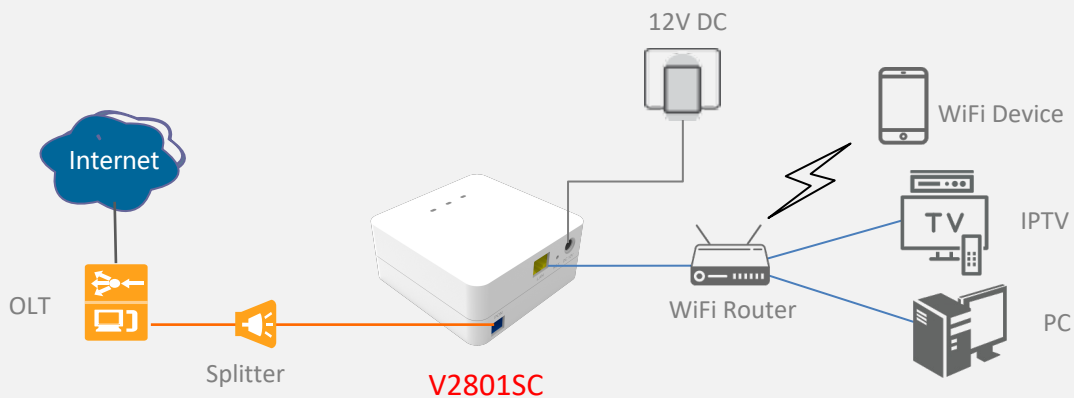
Wide Working Temp  
-10°C~+55°C

### Introduction:

V2801SC is a single gigabit port ONT with tray-mounted fiber structure is a new type of fiber terminal equipment. It features an optimized design, which enhances its transmission performance and reduces fiber loss due to its structure. It also supports single gigabit port access, catering to different access needs. With its exquisite craftsmanship and materials, the ONU appears elegant and stylish, providing stable communication services to home networks. This user-friendly ONU is an ideal choice for home broadband networks..

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	91mm×91mm×41mm(L×W×H)
Net weight	170g
Operating condition	<ul style="list-style-type: none"> <li>Operating temp: -10 ~ +55°C</li> <li>Operating humidity: 10 ~ 90% (non-condensed)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>Storing temp: -30 ~ +60°C</li> <li>Storing humidity: 10 ~ 90% (non-condensed)</li> </ul>
Power adapter	DC 12V, 0.5A, external AC-DC power adaptor
Power supply	≤4W
Interfaces	1GE
Button	RST
Indicators	REG/LOS, LINK/ACT, SYS

## ○ 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*GE, 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 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> </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 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 TELNET</li> <li>Support CLI</li> </ul>

Product Name	Product Description	Accessories
V2801SC	1GE	AC-DC power adaptor: DC12V/0.5A