



V2801SD-1GPD

1*XPON+1GE+POE(PD) ONT

Key Features:



XPON Dual Mode
Plug&Play



Detecting
Rogue ONU



Wide Working Temp
-10°C~+55°C



POE(PD)
Power Supply

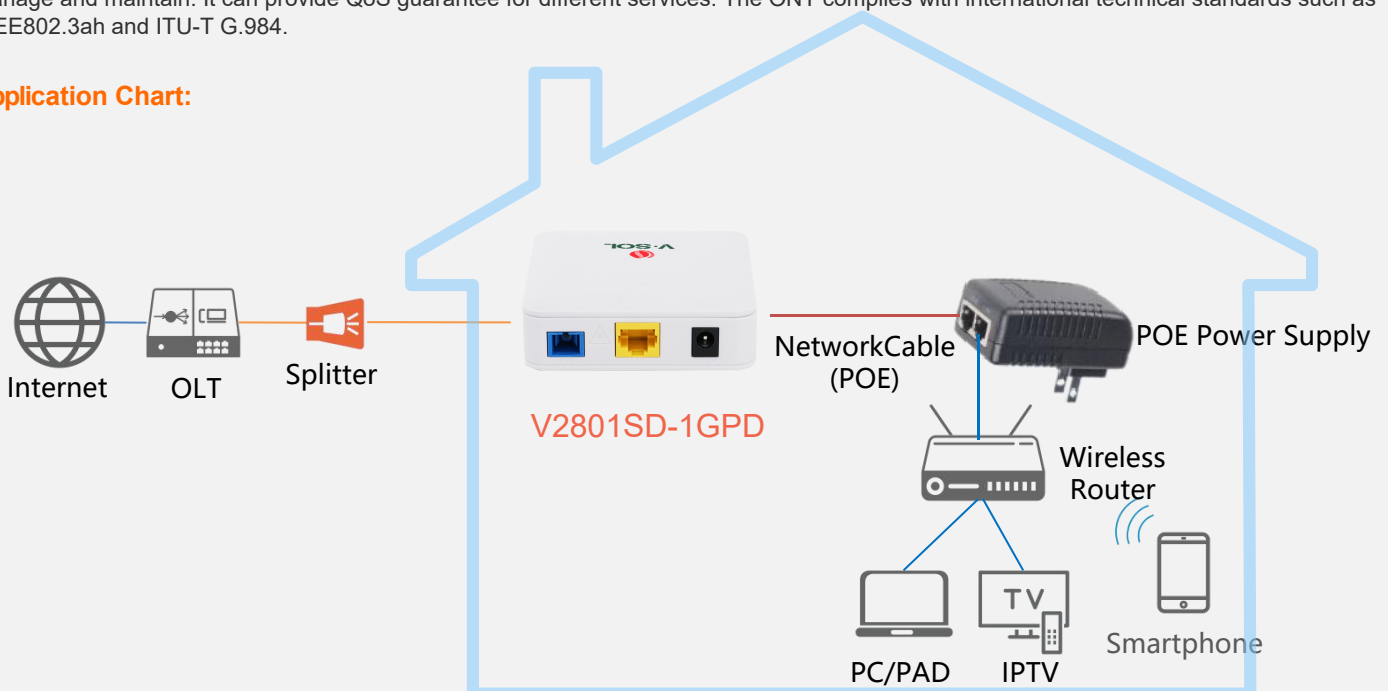
Introduction:

V2801SD-1GPD (XPON 1GE POE(PD) ONU) is specially designed to meet the access requirements of telecom operators such as FTTH and SOHO. The ONU is based on high-performance chip technology solutions, and supports Layer 2/Layer 3 functions, providing data services for carrier-grade FTTH applications.

V2801SD-1GPD supports Reverse POE function, which can be deployed in some application scenarios where it is inconvenient to obtain power. We can supply power to the V2801SD-1GPD through the user-end device.

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	0.085Kg
Operating condition	<ul style="list-style-type: none"> Operating temp: -10°C~+55°C Operating humidity: 5~95% (non-condensing)
Storing condition	<ul style="list-style-type: none"> Storing temp: -40°C~+70°C Storing humidity: 5 ~ 95% (non-condensing)
POE PWR supply	DC 24V/0.5A
Interfaces	1GE
Indicators	SYS, REG, LINK/CT

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> 1XPON port(EPON PX20+ & GPON Class B+) SC single mode, SC/UPC connector TX optical power: 0~+4dBm RX sensitivity: -27dBm Overload optical power: -3dBm(EPON) or -8dBm(GPON) Transmission distance: 20KM Wavelength: TX 1310nm, RX1490nm
LAN interface	<ul style="list-style-type: none"> 1*GE,Auto-negotiation, RJ45 connectors Support Reverse PoE

○ Software Key Feature

PON mode	XPON Dual mode , Can access to mainstream EPON/GPON OLTs.
Uplink Mode	Bridging mode and Routing mode.
Smart O&M	Rogue-ONU detection and Hardware Dying Gasp.
Firewall	DDOS, Filtering Based on ACL/MAC/URL.

○ Software Parameter

Basic	<ul style="list-style-type: none"> Support MPCP discover&register Support authentication Mac/Loid/Mac+Loid Support Triple Churning Support DBA bandwidth Support auto-detecting, auto-configuration, and auto firmware upgrade Support authentication SN/Psw/Loid/Loid+Psw
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(max 8 vlans) Support VLAN 1:1 translation mode(≤8 vlans) Auto VLAN detection
Multicast	<ul style="list-style-type: none"> Support IGMPv1/v2 Support IGMP Snooping Max Multicast vlan 8 Max Multicast Group 64
QoS	<ul style="list-style-type: none"> Support 4 queues Support SP and WRR Support 802.1P
L3	<ul style="list-style-type: none"> Support IPv4 Support DHCP/PPPOE/Static IP Support Static route Support NAT
O&M	<ul style="list-style-type: none"> Support CTC OAM 2.0 and 2.1 Support ITUT984.x OMCI Support EMS\TR069\WEB\TELNET\CLI

Product Name	Product Description	Accessories
V2801SD-1GPD	1GE+Reverse PoE	PoE PWR supply: DC 24V/0.5A