



V2801SG / V2801RD

1*XPON+1GE ONU

Key Features:



XPON Dual Mode
Automatically Access to
EPON/GPON



Detecting
Rogue ONU



Powerful Firewall



Wide Working Temp
-30°C ~ +60°C

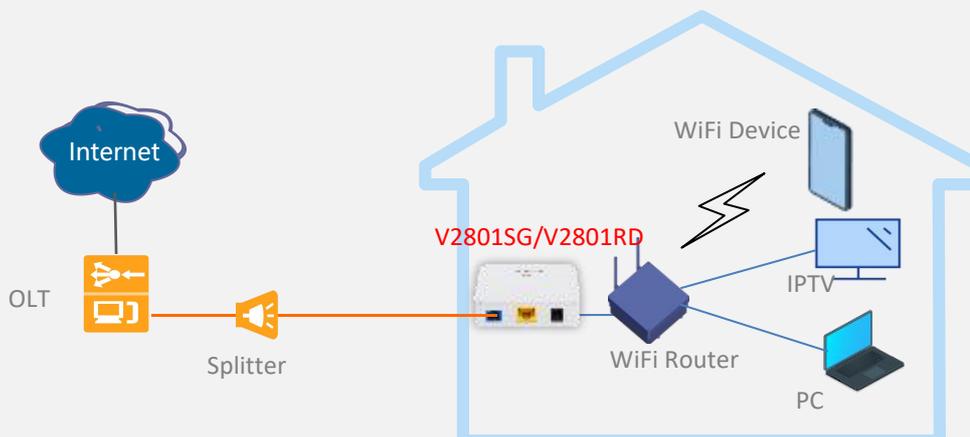


Introduction:

V2801SG / V2801RD(XPON 1GE ONU) is specially designed to meet the needs of telecom operators for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, video surveillance, etc. 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.

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: -30 ~ +60°C Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	<ul style="list-style-type: none"> Storing temp: -30 ~ +70°C Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	DC 12V, 0.5A, external AC-DC power adaptor
Power supply	≤4W
Interfaces	1GE
Indicators	SYS, LINK/ACT, REG

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> 1 XPON 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	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"> 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 SN/Psw/Loid/Loid+Psw authentication
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/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/IPv6 Support DHCP/PPPOE/Static IP Support Static route Support NAT
Management	<ul style="list-style-type: none"> Support CTC OAM 2.0 and 2.1 Support ITUT984.x OMCI Support WEB Support TELNET Support CLI

Product Name	Product Description	Accessories
V2801SG/V2801RD	1GE	AC-DC power adaptor: DC12V/0.5A