



V2801P

1*XPON+1GE Built-in ONT(86 Type)

Key Features:

- High performance chip
- IPv4/IPv6 Stack
- Guaranteed QoS
- Compatible with 86-Type Panel

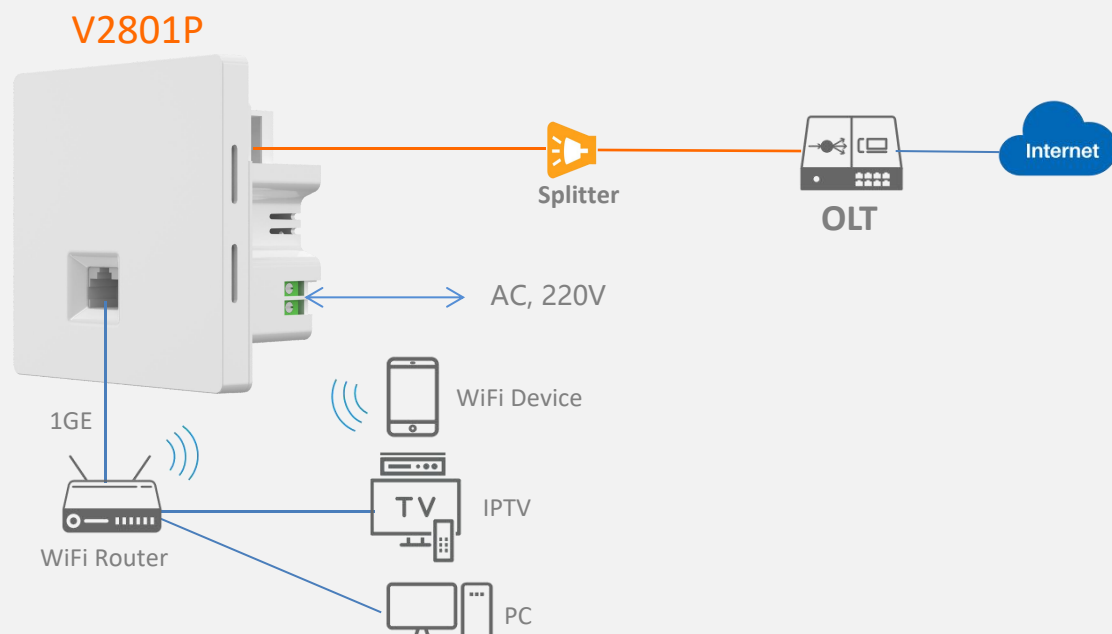
Introduction:

V2801P (1*XPON+1GE Built-in ONT(86 Type)) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH. The panel-type ONU can be easily installed in 86-type electrical boxes on enterprise campuses.

The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

Interface Chart:



○ Hardware Parameter

Dimension	86mm×86mm×49mm(L×W×H)
Net weight	N/A
Operating condition	Operating temp: -10 ~ +55°C Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensing)
Power supply	100 ~ 240V AC, 50/60Hz
Interface	1GE
Indicators	PWR, PON, LOS, LAN1

○ Interface Parameter

PON interface	• 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
User interface	• 1 × GE, Auto-negotiation,RJ45 ports

○ 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

○ Function Data

Basic	• 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	• Support Dying Gasp • Support Port Loop Detect • Support Eth Port Los
LAN	• Support Port rate limiting • Support Loop detection • Support Flow control • Support Storm control
VLAN	• 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	• Support IGMPv1/v2/Snooping • Max Multicast vlan 8 • Max Multicast Group 64
QOS	• Support 4 queues • Support SP and WRR • Support 802.1P
L3	• Support IPv4/IPv6 • Support DHCP/PPPOE/Static IP • Support Static route • Support NAT
Management	• Support CTC OAM 2.0 and 2.1 • Support ITUT984.x OMCI • Support WEB • Support TELNET • Support CLI

Product Name	Product Description	Accessories
V2801P	1GE	



V2801PW

1*XPON+1GE+WiFi4 Built-in ONT(86 Type)

Key Features:



XPON Dual Mode
Auto EPON/GPON Mode



Realtek Chipset
High Performance
Solution



WiFi 4

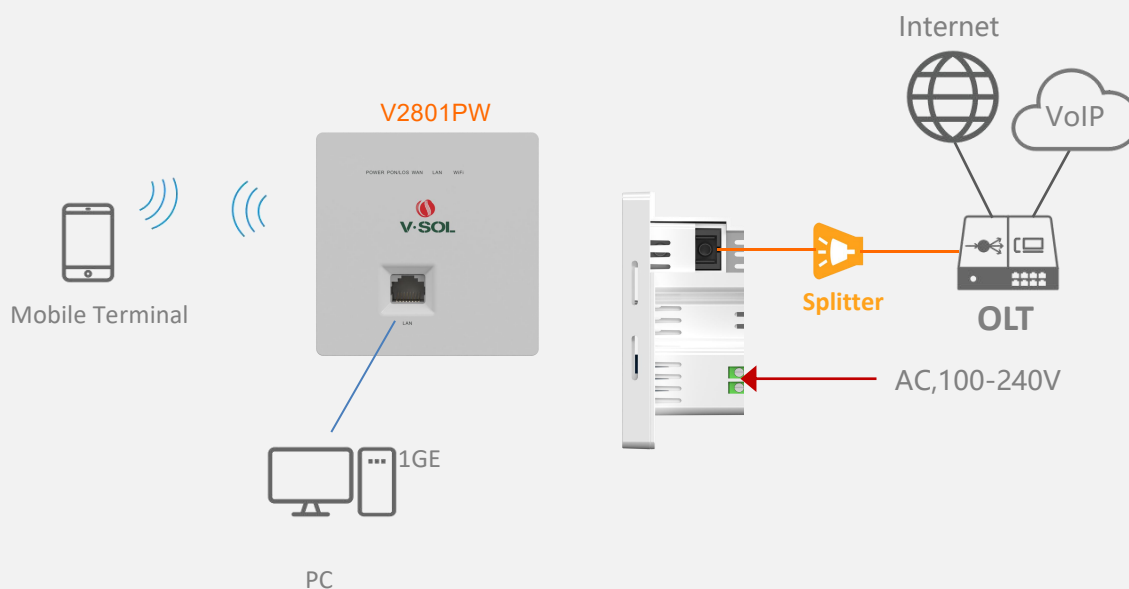


86-Type Panel

Introduction:

V2801PW (1*XPON+1GE+WiFi4 Panel ONT (Type 86)) is an all-in-one access device for home and office networks, which provides high-speed access to fiber optics through xPON ports, making it easy to cope with the demands of high-definition videos, fast downloads and online games. This panel ONU can be directly mounted on the wall, which solves the visual pain of traditional "ONU" setup and the problem of exposed pigtailed that are easily damaged. Equipped with GE Ethernet port to provide stable wired connection, meanwhile, the device integrates WiFi 4 wireless access point to ensure smooth Internet access for multiple devices at the same time, meeting the needs of modern diversified network environment.

Interface Chart:



○ Hardware Parameter

Dimension	86mm×86mm×33.3mm(L×W×H)
Net weight	150g
Operating condition	Operating temp: -10 ~ +55°C Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensing)
Power supply	100 ~ 240V AC, 50/60Hz
Interface	1GE+WiFi4
Button	RESET
Indicators	POWER, PON/LOS, WAN, LAN, WiFi

○ Interface Parameter

PON interface	• 1XPON port(EPON PX20+ and 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
User interface	1×GE, Auto-negotiation,RJ45 ports

○ Function Data

Management	OAM/OMCI, Telnet, WEB, TR069
Multicast	• Support IGMP v1/v2/v3 • Support IGMP Proxy and MLD Proxy • Support IGMP Snooping and MLD Snooping
WiFi	• Compliant with IEEE802.11b/g/n, • Operating frequency: 2.400-2.4835GHz • support MIMO, rate up to 300Mbps, • 2T2R,2 internal antenna 3dBi • Support: multiple SSID • Channel:13 • Modulation type: DSSS、CCK and OFDM • Encoding scheme: BPSK、QPSK、16QAM and 64QAM

○ Function Data

Internet connection	Support Bridging and Routing modes
VLAN	• Support VLAN tag mode • Support VLAN trunk mode • Support VLAN translation
Data Service Functions	• Full speed non-blocking switching • 2K MAC address table • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Integrated IEEE802.1p QoS with four level priority queues • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
QoS	• Support 8 queues • Support SP and WRR • Support 802.1P and DSCP
L3	• Support IPv4, IPv6 and IPv4/IPv6 dual stack • Support DHCP/PPPOE/Static IP • Support Static route • Support DHCP Server • Support NAT/DMZ/DDNS • Support Virtual Server
Security	• Support Firewall • Support Mac filter Based on MAC or URL • Support ACL

Product Name	Product Description	Accessories
V2801PW	1GE+WiFi 4	