



V2802PH

1*XPON+1GE+1*2.5GE Built-in ONT(86 Type)

Key Features:

- High performance chip
- 2.5GbE Network Interface
- Compatible with 86-Type Panel
- IPv4/IPv6 Stack

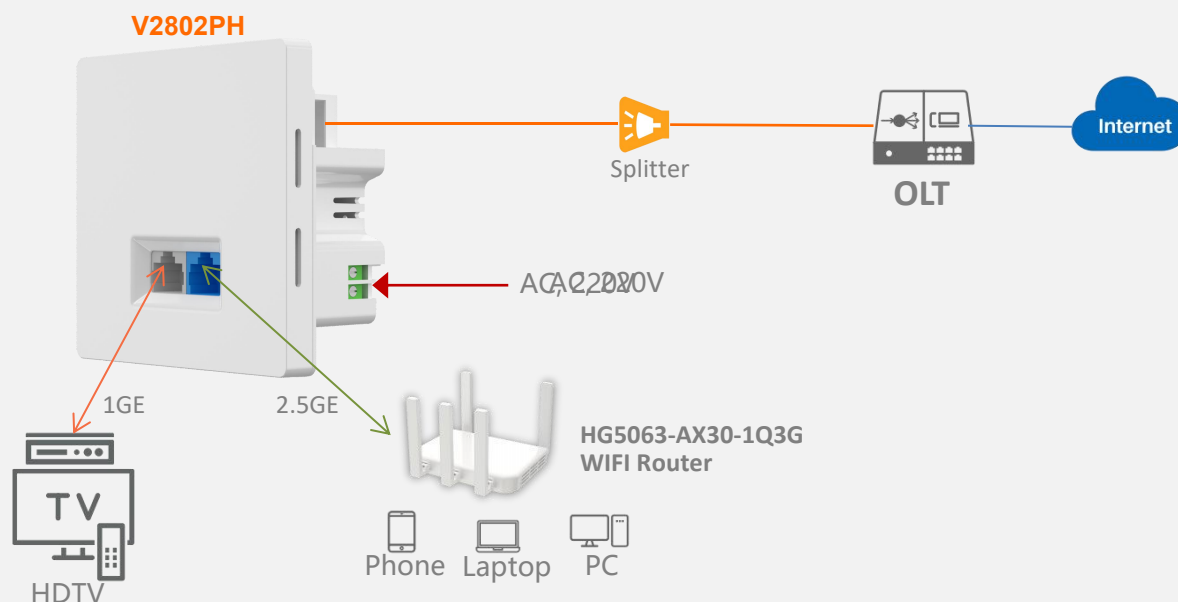
Introduction:

V2802PH (1*XPON+1GE+1*2.5GE 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×33.3mm(L×W×H)
Net weight	160g
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+1*2.5GE
Indicators	PWR, PON, LOS, WAN, LAN1, LAN2

○ 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 • 1×2.5GE ,Auto-negotiation,RJ45 ports
Button	• Reset

○ 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 TR069/WEB/TELNET/CLI

Product Name	Product Description	Accessories
V2802PH	1GE+2.5GE	