



PONT-8GE-W5

XPON+8×GE(POE+)+2×2 WiFi5



Key Features:

- Support xPON Dual Mode
- 8×POE, IEEE802.3at, Max 30W/Port
- WiFi5, 2.4G/5Ghz Dual Band, Internal Antenna
- Support Multi SSIDs & WiFi Roaming(1 SSID)
- Support L2TP / IPsec VPN protocol
- Firewall Based on MAC / ACL / URL
- Smart O&M: WebUI / SNMP / TR069 / CLI

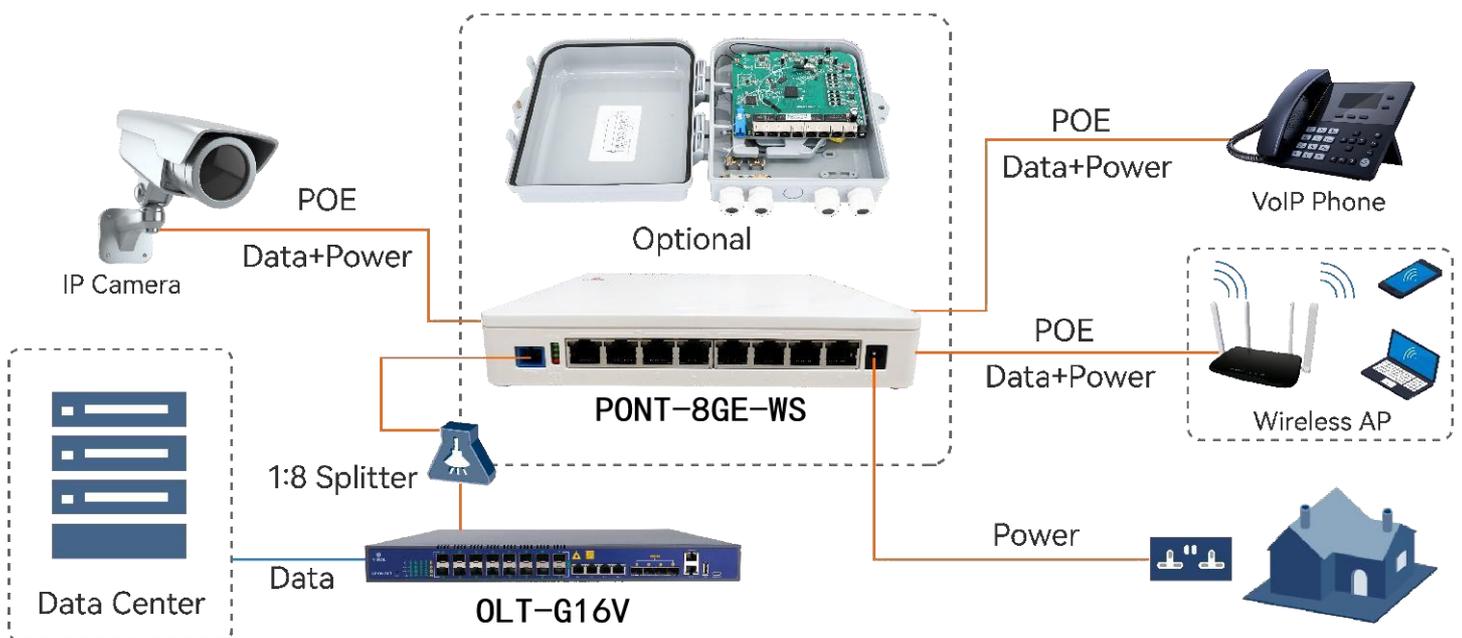
Introduction:

PONT-8GE-WS is a broadband access device designed to meet the needs of users for multi-service integration.

Based on high-performance chip solutions, The ONT supports IEEE802.11b/g/n/ac WIFI technology and other Layer 2/Layer 3 functions, providing data services for carrier-grade FTTH applications. The eight network ports of The ONT all support the POE function, which can supply power to IP cameras, wireless APs and other devices through the network cable, and it can be equipped with a waterproof casing for outdoor use.

The ONT is highly reliable and easy to manage and maintain. It can provide QoS guarantee for different services. It conforms to international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:



○ Hardware Parameter

| | |
|-------------------|--|
| Dimension | 196×160×32mm(L×W×H) |
| Net weight | 0.32Kg |
| Working condition | Working Temp: -30~+55°C Working Humidity: 10~90%(non-condensed) |
| Storing condition | Storing temp: -30~+60°C Storing humidity: 10~ 90% (non-condensed) |
| Power adapter | DC 48V, 2.5A |
| Power supply | ≤130W |
| Interface | 1*XPON+8*GE+WiFi5+POE(optional) |
| Indicators | POWER / WiFi / PON /LOS |

○ 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 |
| User Interface | <ul style="list-style-type: none"> • 8*GE, Auto-negotiation RJ45 connectors • Support IEEE802.3at standards (POE+ PSE) |
| WLAN Interface | <ul style="list-style-type: none"> • Compliant with IEEE802.11b/g/n/ac,2T2R • 2.4GHz Operating frequency: 2.400-2.483GHz • 5.0GHz Operating frequency: 5.150-5.825GHz |

○ Function Data

| | |
|-------------|--|
| Management | <ul style="list-style-type: none"> • Support OMCI(ITU-T G.984.x) • Support CTC OAM 2.0 and 2.1 • Support TR069/Web/Telnet/CLI |
| Application | <ul style="list-style-type: none"> • Support L2TP & IPSec VPN • Support EoIP • Support VxLan • Support Web Push |

○ Function Data

| | |
|-----------|---|
| LAN | Support Port rate limiting |
| WAN | Support config first LAN interface as WAN port |
| VLAN | <ul style="list-style-type: none"> • Support VLAN tag/VLAN transparent/VLAN trunk/VLAN translation • Support VLAN based WAN and VLAN based LAN |
| Multicast | <ul style="list-style-type: none"> • Support IGMPv1/v2/v3 • Support IGMP Proxy and MLD Proxy • Support IGMP Snooping and MLD Snooping |
| QoS | <ul style="list-style-type: none"> • Support 4 queues • Support SP and WRR • Support 802.1P • Support DSCP |
| Wireless | <ul style="list-style-type: none"> • Support Wireless AP mode • Support 802.11 b/g/n/ac • Support Multiple SSID • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS, CCK and OFDM • Encoding scheme: BPSK, QPSK, 16QAM and 64QAM • Support EasyMesh |
| QoS | <ul style="list-style-type: none"> • Support 4 queues • Support SP and WRR • Support 802.1P and DSCP |
| L3 | <ul style="list-style-type: none"> • Support IPv4、IPv6 and IPv4/IPv6 dual stack • Support DHCP/PPPOE/Statics • Support Static route,NAT • Support Bridge, Route ,Route and Bridge mixed mode • Support DMZ, DNS, ALG,UPnP • Support Virtual Server |
| DHCP | Support DHCP Server & DHCP Relay |
| Security | Support Filter based on MAC/ACL/URL |