1 Port XPON + 1*2.5GbE+1*GE ONU

XPON 2.5GE XPON ONU

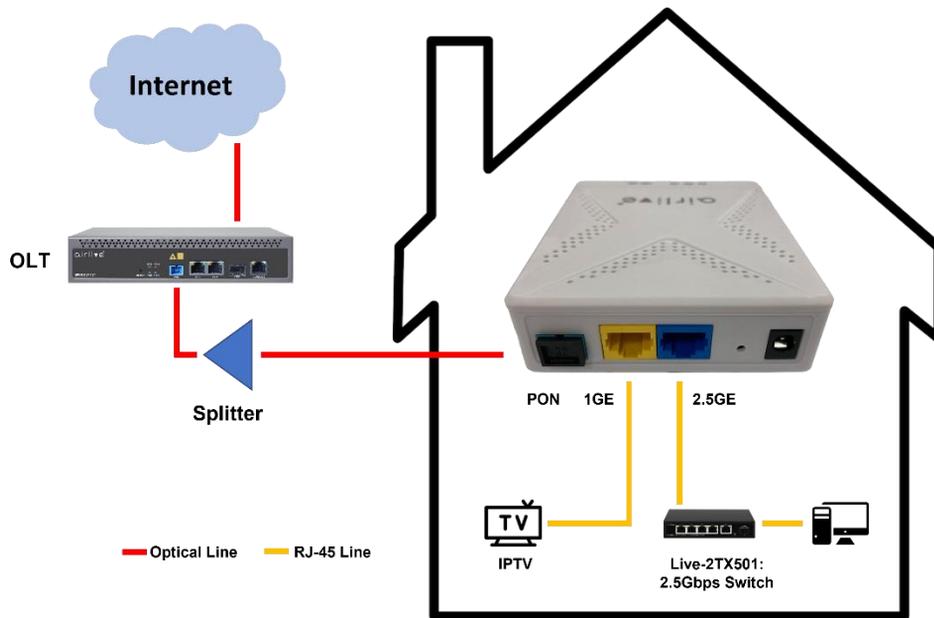airlive®

1x XPON Dual Mode Automatically Access to EPON/GPON	**XPON ONU**	**-20℃ ~ +60℃ Temp Range**
1 x 2.5GE RJ-45 **1 x 1GE RJ-45**	**Fiber Optical 20KM**	**Compliant ITU-T G.984 standard**

Overview

The 2.5GE XPON ONU is a recently launched ONU that caters to new optical fiber communication networks. It conforms to international standards like ITU-T G.984 and IEEE802.ah. The ONU comes with 1 x 2.5GE + 1GE RJ-45 port. The ONU's 2.5GE network port can fully meet the high access bandwidth requirements of WIFI 6 technology, AR/VR technology, 8K video and more, it can bring fast Internet access experience and lower Internet latency for home users and enterprise users.

The ONU is specially designed to meet the needs for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, video surveillance, etc. It is based on XPON technology, with high reliability, easy maintenance, and can provide QoS guarantee for different services.

High-speed and Long-distance Coverage for Triple Play Services

The 2.5GE XPON ONU offers a solution for providing high-speed and long-distance coverage in triple play service applications such as HDTV, IPTV, and multimedia, enabling fast and reliable data transmission. With a coverage range of up to 20km between equipment nodes, the 2.5GE XPON ONU is a cost-effective access technology that offers flexibility for network deployment. Its reliable and scalable network ensures a seamless and efficient experience for users.

Highlight Feature

- XPON Dual Mode Automatically Access to EPON/GPON
- 1x 2.5Gbps RJ-45 Port for High-speed networking
- 1x 1Gbps RJ-45 Port
- Small size easy to use.

Specification

Model	XPON 2.5GE XPON ONU

Device Interface

- **PON Port**: 1x (EPON PX20+ & GPON Class B+)
- **Connector**: SC single mode, SC/UPC
- **TX optical power**: 0～+4dBm
- **RX sensitivity**: -27dBm
- **Overload optical power**: -3dBm(EPON) or -8dBm(GPON)
- **Wavelength**: TX 1310nm, RX 1490nm
- **Transmission Distance**: 20KM
- **LAN Port**: 1x 2.5G RJ-45, 1x 1G RJ-45
- **Power**: 12V, 0.5A External Power Adapter
- **LED**: POWER, PON, LOS, WAN, LAN1, LAN2

Function features

- **XPON**: 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

Firmware features

- **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
- **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
- **Alarm**:
  Support Dying Gasp
  Support Port Loop Detect
  Support Eth Port Los

- **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 TR069/WEB/TELNET/CLI
  Support ITUT984.x OMCI
  Support CTC OAM 2.0 and 2.1

Power Supply

- **Input Voltage:** DC 12V, 0.5A Power Adapter

Environment

- **Operating Temperature:** -20°C to +60°C
- **Storage Temperature:** -30°C to +70°C
- **Working Humidity**: 10%~90%, non-condensing
- **Storage Humidity**: 10%~90%, non-condensing

Standard package of switch

- **Product size:**
  Product Dimensions: 10x9.2x2.95 cm
  Package Dimensions: 21x15.7x4.1 cm
- **Package Weight:**
  Product N.W: 0.107KG
  Product G.W: 0.195KG
- **Package content**:
  ONU x 1, QIG x 1, Power Adapter x 1
- **Ordering Information**
- **Model:**
  XPON 2.5GE XPON ONU
- **Name:**
  XPON 2.5GE XPON ONU with 1x PON Port, 1x 2.5G RJ-45, 1x 1G RJ-45 Port.

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