1 Port 10G XG PON ONU
Incl. 1x 10G RJ45, 1x 1G RJ45,
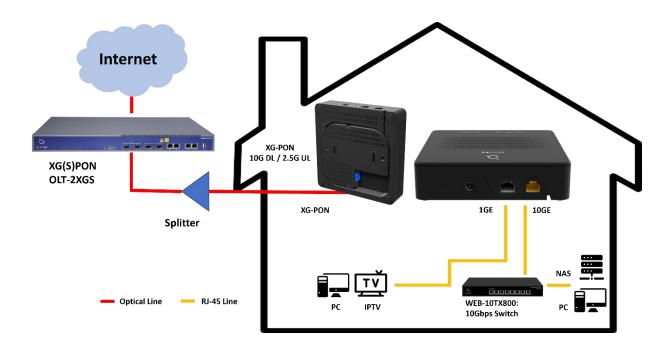
ONU-10XG-1001-10G

airlive®

10G **XG-PON**	**IPv4/IPv6** **Dual Stack**
1 x 10GE RJ-45 **1 x 1GE RJ-45**	**Realtek** **Solution**

Compliant ITU-T
G.9807.1 standard

Overview

The AirLive ONU-10XG-1001-10G is a recently launched ONU that caters to new optical fiber communication networks. It conforms to international standards like ITU-T G.987 (XG-PON). The ONU comes with 1 x 10GE + 1 x 1GE RJ-45 ports for ultra fast connection speeds. The ONU 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, 4K/8K, VR, video surveillance, etc. It is based on XGPON 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 AirLive 10G XGPON ONU offers a solution for providing high-speed and long-distance coverage. The AirLive XG-PON AX supports full Triple Play of services enabling Data and Video services through Ethernet, help Internet Service Providers to deliver internet service speeds of more than 2.5Gbps which is limited by GPON.

Triple play service applications such as HDTV, IPTV, and multimedia, enabling fast and reliable data transmission. With a large range between equipment nodes, the 10G XGPON 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

- 10G XGPON with UL 2.5Gbps, DL: 10Gbps Speeds
- 1x 10Gbps RJ-45 Port for High-speed networking
- 1x 1Gbps RJ-45 Port

Specification

Model	ONU-10XG-1001-10G

Device Interface

- **PON Port**: 1x 10G PON port: Class B+
- **Connector**: SC single mode, SC/UPC connector
- **TX optical power**: 5dBm (XG-PON)
- **RX sensitivity**: -28dBm
- **Overload optical power**: -8dBm
- **Transmission distance**: 20km
- **Wavelength**: XG-PON: RX 1577nm/TX 1270nm
- **10G PON layer**: ITU-T G.987 (XG-PON)
- **XG-PON ONU Speed**: Upstream 2.488Gbps, Downstream: 9.953Gbps
- **LAN / USB Port**:
  1 x 10G RJ-45 Port
  1 x 10/100/1000M RJ-45 Port
- **LED**: SYS, PON, LOS, LAN1, LAN2

Function features

- **Internet connection**: Support Bridge/Router mode
- **Multicast**:
  IGMPv1/v2/Snooping
  Support multicast protocol VLAN and multicast data stripping
  Support multicast translation function
- **Alarm**:
  Support Dying Gasp
  Support Port Loop Detect
- **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
  Support VLAN hybrid mode
- **QoS**:
  Support Port rate limiting
- **Firewall**:
  Support WRR, SP+WRR
- **Management**:
  Support WEB/TELNET/SSH/OMCI
  Support private OMCI protocol and Unified network management of AirLive OLT
- **Other**:
  Support log function

Power Supply

- **Input Voltage:** DC 12V, 1A Power Adapter
- **Power Usages Max**: ≤ 12W

Environment

- **Operating Temperature:** -10°C to +55°C
- **Storage Temperature:** -40°C to +70°C
- **Working Humidity**: 5%~95%, non-condensing
- **Storage Humidity**: 5%~95%, non-condensing
- **MTBF**: 100000 hrs.

Standard package of ONU

- **Product size:** 14.0 x 14.0 x 3.45cm (L*W*H)
- **Package size:** cm (L*W*H)
- **Package Weight:**
  Product N.W: 0.316 kg
  Product G.W: tbc kg
- **Package content**:
  ONU x 1, QIG x 1, Power Adapter x 1

Standard carton package

- **Quantity:** 20 pcs / 1 carton
- **Dimensions**
  67.5 x 37.0 x 27.0cm (L*W*H)
- **Weight**
  10.0 kg (G.W)
- **Ordering Information**
- **Model:**
  ONU-10XG-1001-10G
- **Name:**
  10G PON ONU incl. 1x XG-PON Port, 1x 10G RJ-45, 1x 1G RJ-45 Port

* Specification will be changed without prior notice
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