tp-link | Aginet

1-Port Gigabit GPON Terminal with CATV



MODEL:XZ001-G7

Overview

TP-Link's 1-Port Gigabit GPON Terminal with CATV XZ001-G7 provides up to 2.488 Gbps of uplink and 1.244 Gbps of downlink bandwidth simultaneously. It meets the higher bandwidth demand of various high-bandwidth services. It also reduces both capital and operating expenditure, protecting ISPs' existing infrastructure investments.

High-Speed GPON Service

Full Gigabit Port-Fiber access and gigabit port provide incredibly fast transfer speeds.

Full Gigabit Wired

Supports maximum data rates of upto 2.488Gbps downstream, 1.244Gbps upstream.

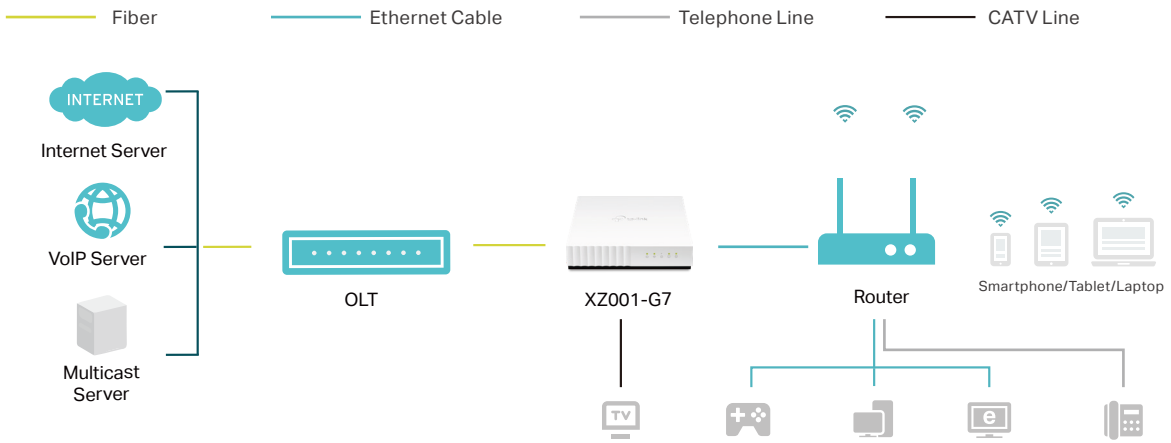
CATV Connection

Connect the TV and the CATV port of the ONU through a coaxial cable for cable TV service.

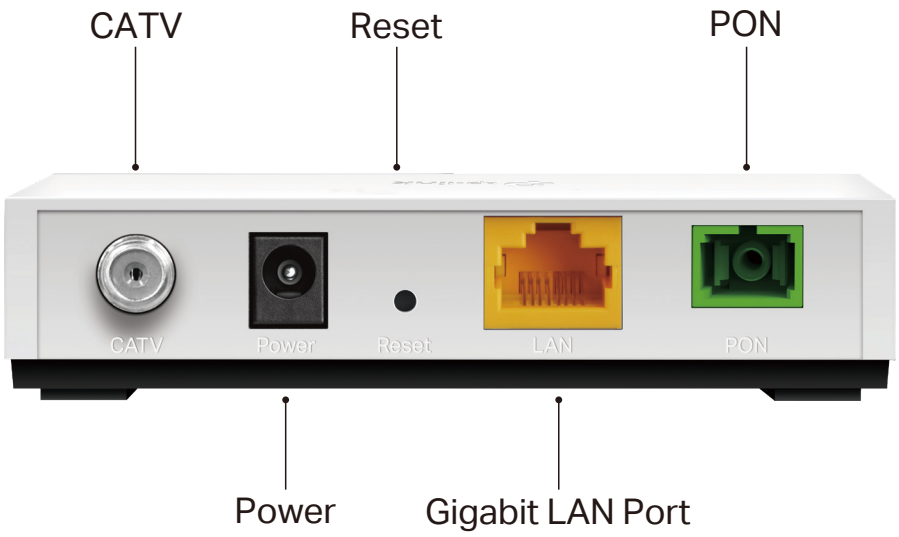
Easy Remote Management

Supporting OMCI, which makes it easy to activate, configure and manage remotely.

Network Topology



Hardware Description



Specifications

Hardware

- Interface
  1× GE SC/APC PON Port, 1× RF Port,
  1× 10/100/1000Mbps LAN Port,
- Power Adapter Input
  100-240V/50-60Hz
- Power Adapter Output
  9V/0.6A
- Button
  Reset Button
- Dimensions (W * D * H)
  4.6 × 4.1 × 0.9 in. (116.0 x 105.0 x 24.3 mm)

General Specifications

- GPON
  ITU G. 984 standard, Class B+
  2.488Gbps downstream/1.244Gbps upstream
- Wavelength
  1490nm downstream/1310nm upstream
- Receiving sensitivity
  GPON: -27dBm
- Saturated power
  GPON: -8dBm
- Transmitting power
  GPON: 0.5~5dBm
- CATV Input optical power
  -18dBm~0dBm
- CATV Output reflection loss
  >15dB 47MHz~1000MHz
- Transmitter
  DFB Laser
- Receiver
  PIN-TIA
- Distance
  0 ~ 20Km Max

Software

- Protocols
  Supports IPv4 and IPv6
- Working Mode
  Bridge
- Features
  GPON, DBA, FEC, IPHOST, CATV
- Management
  Local managenment, OMCI
- VLAN
  802.1Q tag VLAN
- VLAN Mode
  Transparent/Translation/Trunk
- Authentication
  Based on SN and Password, VLAN Auto Detect
- IGMP
  IGMP v1/v2/v3
- Security
  AES Encryption, Packet Filter based on VLAN
- Advanced Functions
  Upstream and Downstream FEC, Dynamic Bandwidth Allocation(DBA) Support NSR/SR, Up to 16 T-CONTs and 256 GEM Ports, Optical Power Detection, Dying Gasp, Terminal Silent Mechanism

Others

- Certification
  CE, RoHS
- System Requirements
  Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browserCable or DSL Modem (if needed) Subscription with an internet service provider (for internet access)
- Environment
  Operating Temperature: 0°C~40°C (32°F~104°F),
  Storage Temperature: -40°C~60°C (-40°F ~140°F)
  Operating Humidity: 10%~90% non-condensing
  Storage Humidity: 5%~90% non-condensing
- Package Contents
  1-Port Gigabit GPON Terminal with CATV XZ001-G7
  1× Power Adapter
  1× Quick Installation Guide
  1× GPL Statement