tp-link | Aginet

1-Port Gigabit XPON Terminal

MODEL:XZ000-G7



Overview

TP-Link's 1-Port Gigabit XPON Terminal XZ000-G7 provides up to 2.488 Gbps downstream and 1.244 Gbps upstream 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 provides incredibly fast transfer speeds.

Full Gigabit Wired

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

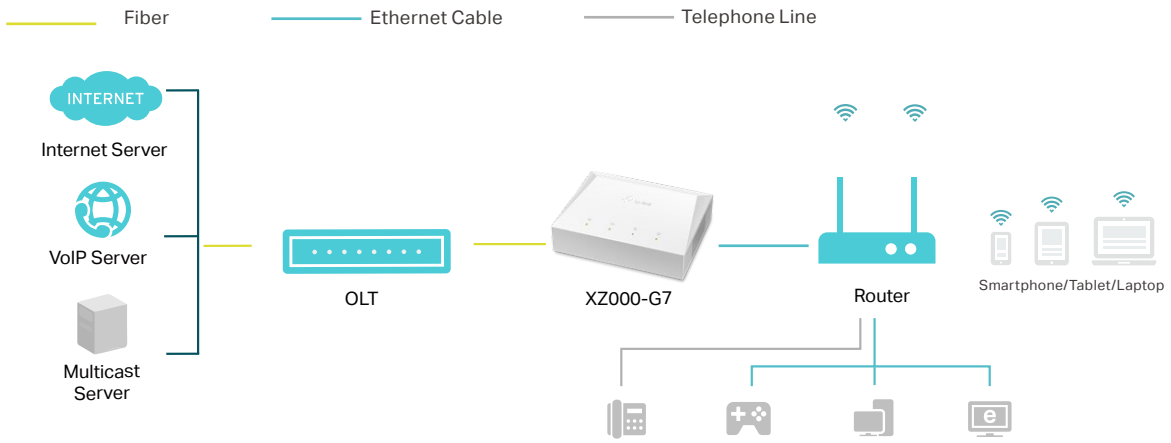
Make Your Fiber-to-the-Home

A Gigabit Passive Optical Network (GPON) terminal, which is ideal for fiber-to-the-home solutions.

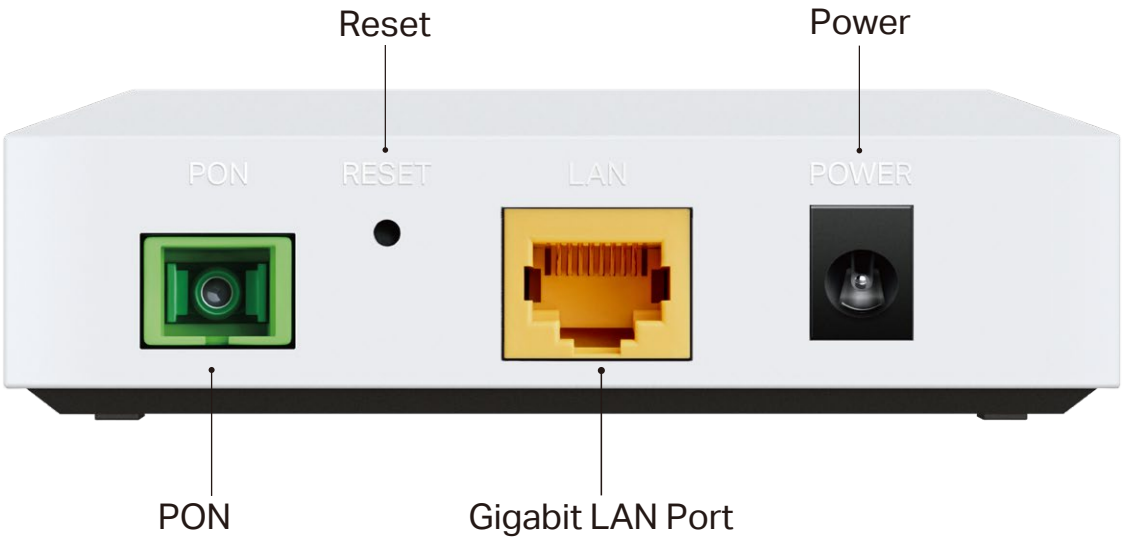
Easy Remote Management

Supports OMCI, easy to activate, configure and manage remotely.

Network Topology



Hardware Description



Specifications

Hardware

- Interface
  1× 10/100/1000Mbps LAN Port, 1× SC/APC PON Port
- Button
  Reset Button
- Power Adapter Input
  100-240V/50-60Hz
- Power Adapter Output
  9V/0.6A
- Dimensions (W * D * H)
  3.7 x 3.0 x 1.2 in. (95.0 x 75.0 x 29.3 mm)
- CPU
  FA626 533MHz CPU

General Specifications

- GPON
  ITU G. 984 standard, Class B+
  2.488Gbps downstream/1.244Gbps upstream
- EPON
  1000BASE-PX20+ symmetric
  1.25Gbps downstream/upstream
- Wavelength
  1490nm downstream/1310nm upstream
- Receiving sensitivity
  GPON: -27dBm; EPON: -27dBm
- Saturated power
  GPON: -8dBm; EPON: -3dBm
- Transmitting power
  GPON: 0.5~5dBm; EPON: 0~4dBm
- Input optical power
  -18dBm~0dBm
- 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
- 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, FCC
- 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℃~40℃ (32℉~104℉),
  Storage Temperature: -40℃~60℃ (-40℉~140℉)
  Operating Humidity: 10%~90% non-condensing
  Storage Humidity: 5%~90% non-condensing
- Package Contents
  1-Port Gigabit XPON Terminal XZ000-G7
  1× Power Adapter
  1× Quick Installation Guide (Except for BR version)
  1× GPL Statement (Except for BR version)