

# 1-Port XGS-PON Terminal

MODEL: XGZ030



## Overview

TP-Link's XGZ030 XGS-PON Terminal provides up to 10 Gbps of uplink and 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.



### 10G Wired Performance

Supports XGS-PON + 10 Gbps LAN port to enable ultra-fast 10G network connections



### Bridge Mode

High-speed transparent transmission for the best signal



### Remote Management

Supports OMCI, enables an operator to remotely configure and manage end-user devices



### BOSA on Board Design

Support SC/APC port

## Features



### High Speed

Downstream and upstream rates up to 10Gbps



### Easy Management

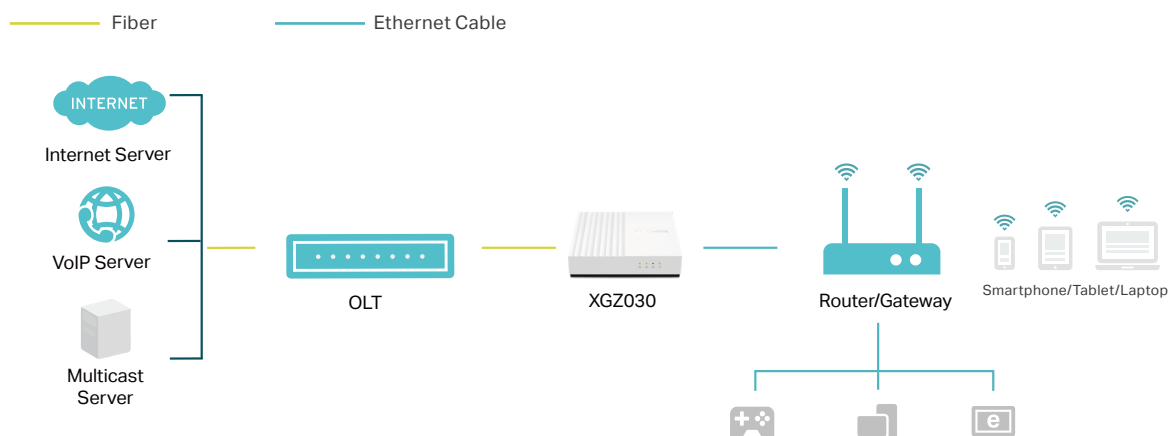
Supports OMCI (ONT Management Control Interface) remote management



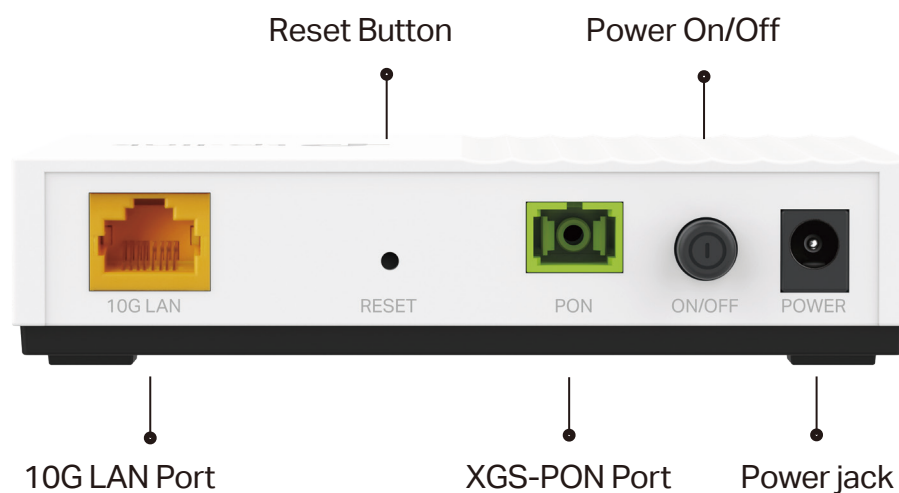
### Ease of Use

Quick and hassle-free installation  
Intelligent power-saving method

## Network Topology



## Hardware Description



# Specifications

## Hardware

- Interface  
1\*10GE LAN Port, 1\* XGS-PON Port
- Button  
Power On/Off Button, Reset Button
- External Power Supply  
12V/1A
- Dimensions (W \* D \* H)  
4.72× 4.72 × 1.1 in (120 × 120× 27.85 mm)
- Optical Module  
Class E1
- GPON Standards  
ITU-T G.9807.1, ITU-T G.988
- Transmitter  
DFB Laser
- Receiver  
PIN-TIA
- Data Rate  
Upstream: 10 Gbps, Downstream: 10 Gbps
- Wavelength  
Upstream: 1270nm, Downstream: 1577nm
- Distance  
0 ~ 20Km Max
- Flash  
128M NAND Flash
- RAM  
128M DDR3

## Software

- VLAN  
802.1Q tag VLAN, Q in Q VLAN  
VLAN transparent mode/VLAN translation mode/VLAN trunk mode  
Authentication based on SN and Password
- IGMP  
IGMP v1/v2/v3
- Security  
AES Encryption, Packet Filter based on VLAN
- Management  
Managed by Web, OMCI and Telnet,  
Specified the management IP,  
Reset to Factory default by Reset button or Web UI, Real-time statistics,  
Optical Diagnostic, Dual Image,  
Schedule Reboot, LED Schedule
- Advanced Functions  
Upstream and Downstream FEC,  
Dynamic Bandwidth Allocation(DBA) support NSR/SR,  
Up to 32 T-CONTs and 256 GEM Ports,  
Optical power detection, Dying Gasp,  
Terminal Silent mechanism,  
802.3az EEE Energy Conservation

## Others

- Certification  
CE, FCC, RoHS
- Environment  
Operating Temperature: 0°C~40°C (32°F~104°F),  
Storage Temperature: -40°C~60°C (-40°F ~140°F)
- Package Contents  
1-Port XGS-PON Terminal  
Power Adapter  
RJ45 Ethernet Cable  
Quick Installation Guide