tp-link | Aginet

AX3000 Dual-Band Wi-Fi 6 XPON Router

MODEL:XX530



Overview

Compliant with the ITU-T G.984 GPON standards, XX530 supports maximum data rates of up to 2.488Gbps downstream and 1.244Gbps upstream. Along with a 10/100/1,000Mbps WAN/LAN port and 3 10/100/1,000Mbps LAN ports, users can enjoy high-speed XPON services and bandwidth-intensive multimedia applications—such as interactive gaming, streaming, and real-time video—much faster and easier than ever before.

802.11ax Technology

Create a seamless Wi-Fi network in your home with the revolutionary combination of OFDMA, MU-MIMO, and Beamforming technologies

Ultimate Wireless Speed

Combined wireless speeds of up to 574 Mbps (over 2.4 GHz) and 2402 Mbps (over 5 GHz)

Supports EasyMesh

Adopts EasyMesh technology, which has further improved and standardized Wi-Fi functions, such as Wi-Fi diagnostics, channel selection and traffic separation

Easy Remote Management

Supports Aginet APP, OMCI, TR-069, TR-098, and TR181 now and can be upgraded through software to support TAUC cloud management.

Features

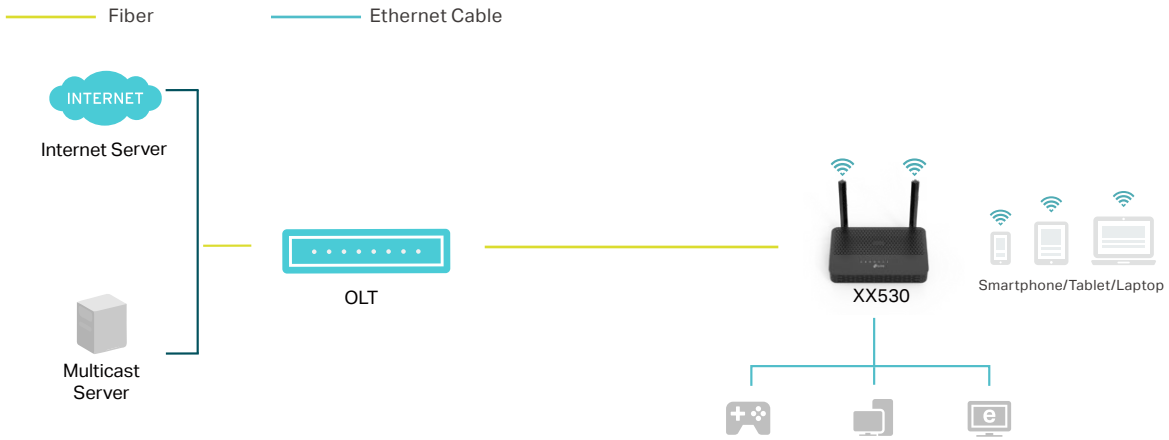
AX3000
Dual-Band Wi-Fi 6

2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

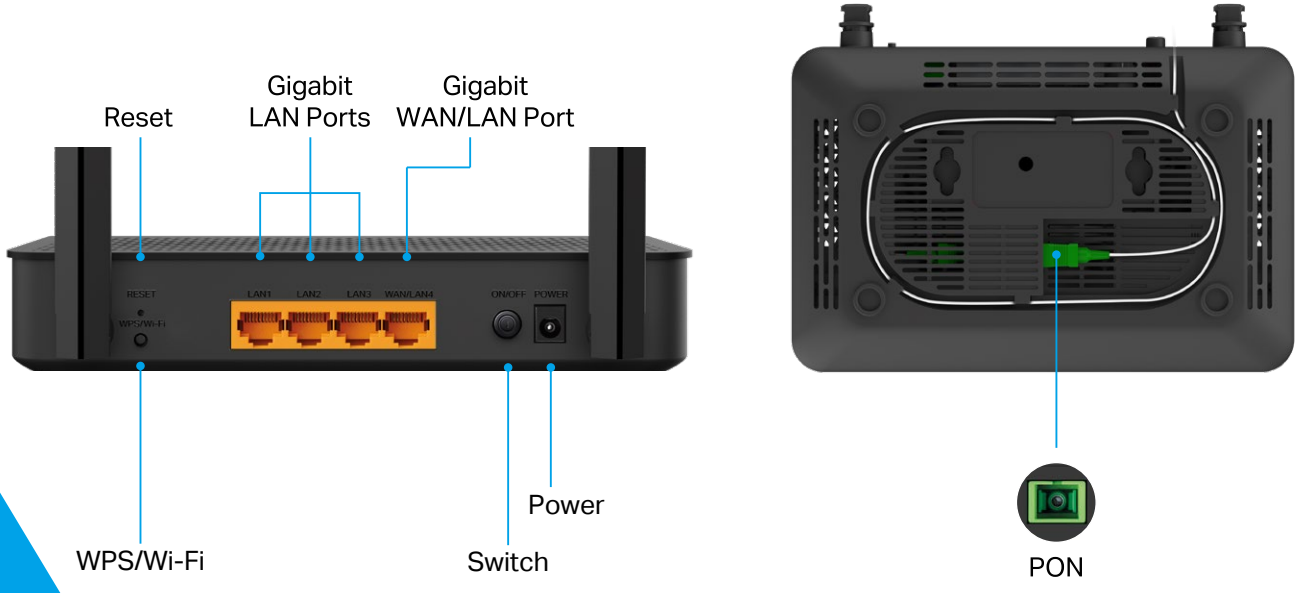
Full Gigabit Ports

1× GE WAN/LAN +
3× GE LAN ports

Network Topology



Hardware Description



Specifications

Hardware

- Interface
  1× 10/100/1000 Mbps WAN/LAN Port,
  3× 10/100/1000 Mbps LAN Ports,
  1× SC/APC PON Port
- Button
  Power On/Off Button, WPS/Wi-Fi Button, Reset Button
- External Power Supply
  12V/1.5A
- Dimensions (W * D * H)
  7.99 × 5.49 × 1.8 in (203 × 139.4 × 45.7 mm)
- Antenna
  2× High-Performance External Dual-Band Antennas and 1× Internal 5GHz Antenna

Wireless

- Wireless Standards
  IEEE 802.11a/n/ac/ax 5 GHz, IEEE 802.11b/g/n/ax 2.4 GHz
- Frequency
  2.4 GHz and 5 GHz
- Signal Rate
  2402 Mbps at 5 GHz, 574 Mbps at 2.4 GHz
- Transmit Power
  EU: <20 dBm (2.4 GHz), <23 dBm (5 GHz)
  US: <26 dBm (2.4 GHz), <28 dBm (5 GHz)
- Wireless Function
  Enable/Disable Wireless Radio, Wireless Schedule, WMM, Wireless Statistics
- Mesh
  EasyMesh, IEEE 802.11k/v/r, Self-healing, Seamless Roaming
- Wireless Security
  WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES), WPA2 PSK/WPA PSK mixed mode 802.1x(WPA2 Enterprise)
- Wireless Schedule
  Support 2.4 GHz and 5 GHz Wireless Schedule

Others

- Certification
  CE
- Environment
  Operating Temperature: 0°C~40°C (32°F~104°F),
  Storage Temperature: -40°C~60°C (-40°F ~140°F)
- Package Contents
  AX3000 Dual-Band Wi-Fi 6 XPON Router XX530
  Power Adapter
  RJ45 Ethernet Cable
  Quick Installation Guide

Software

- DHCP
  Server, DHCP Client List, Address Reservation
- Quality of Service
  Hardware QoS, Flow Classification
- VPN Server
  PPTP VPN, IPSec VPN , OpenVPN
- Firewall Security
  DoS, IPv4 SPI Firewall, IPv6 Firewal, IP and MAC Address Binding, Access Control
- Dynamic DNS
  TP-Link, DynDns, NO-IP
- Protocols
  IPv4, IPv6
- Management
  Local Management, Remote Management, Aginet APP, TR069(TR-098/TR-181)
- Advanced Functions
  Parental Controls, Port Forwarding, TX Beamforming, MU-MIMO, supports IGMP Proxy V1/V2/V3 and IGMP Snooping, Airtime Fairness, Band Steering, Multi-SSID, Wi-Fi Schedule

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
- Transmitter
  DFB Laser
- Receiver
  PIN-TIA
- Distance
  0 ~ 20Km Max