

# 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

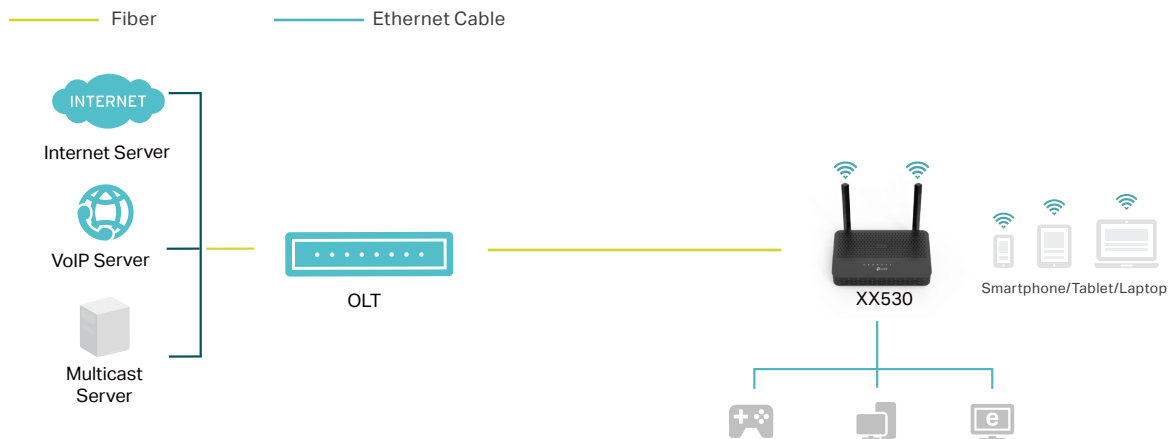
2402 Mbps (5 GHz) +  
574 Mbps (2.4 GHz)



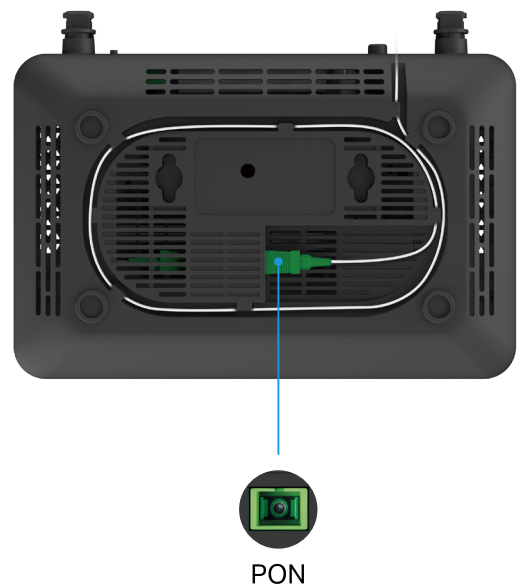
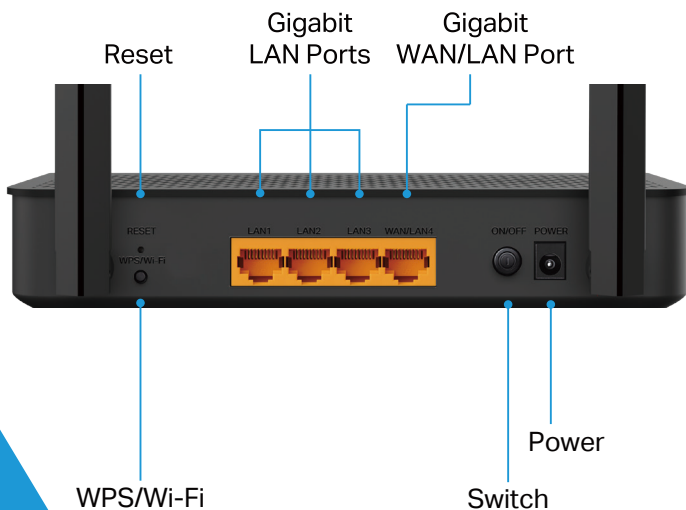
### Full Gigabit Ports

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 Firewall, 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**  
VoIP, Parental Controls, Port Forwarding, TX Beamform-  
ing, 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