

AX3000 Dual- Band Wi-Fi 6 XPON Router

MODEL:XX535



Overview

Compliant with the ITU-T G.984 GPON standards, XX535 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 2 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.

Features



AX3000 Dual-Band Wi-Fi 6

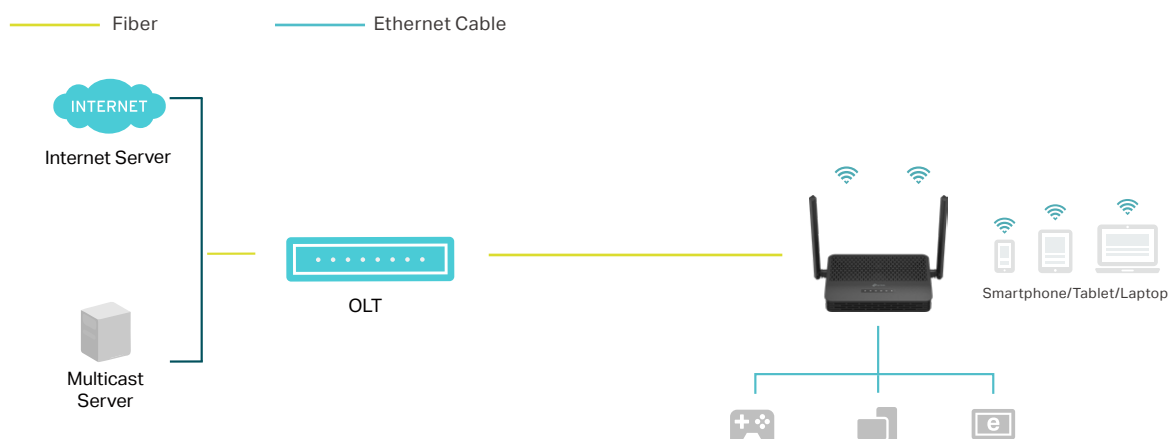
2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)



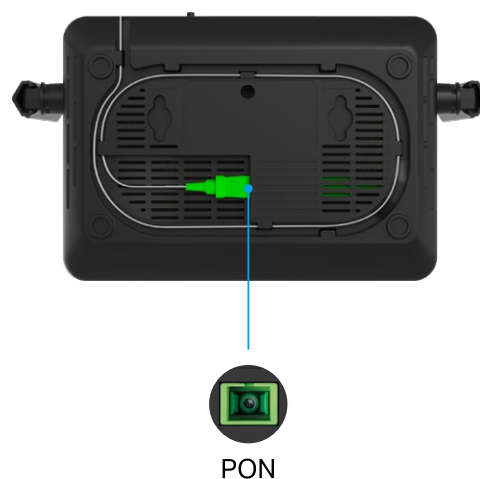
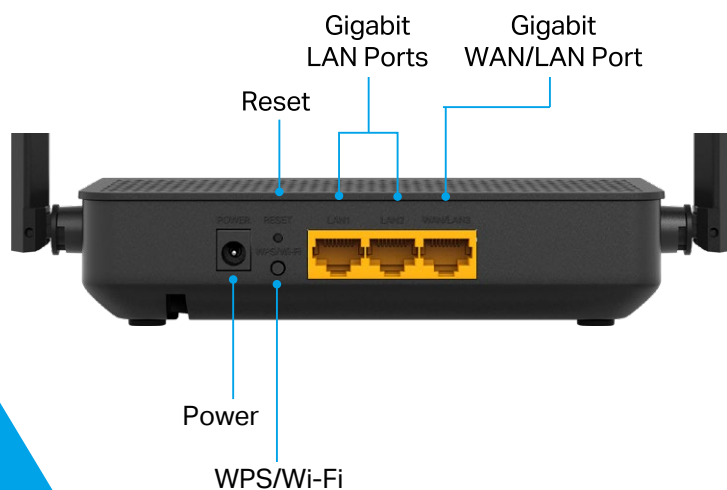
Full Gigabit Ports

1× GE WAN/LAN +
2× GE LAN ports

Network Topology



Hardware Description



Specifications

Hardware

- **Interface**
1× 10/100/1000 Mbps WAN/LAN Port,
2× 10/100/1000 Mbps LAN Ports,
1× SC/APC PON Port
- **Button**
WPS/Wi-Fi Button, Reset Button
- **External Power Supply**
12V/1.5A
- **Dimensions (W * D * H)**
6.77 × 4.43 × 1.46 in (172 × 112.4 × 37 mm)
- **Antenna**
2× High-Performance External Dual-Band Antennas
and 1× Internal 5GHz Antenna
- **MTBF**
>300,000 hours @ 25°C based on Telcordia SR-332
Issue 3

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
- **Wireless Function**
Enable/Disable Wireless Radio, Wireless Schedule, WMM,
Wireless Statistics
- **Mesh**
EasyMesh, IEEE 802.11k/v/r, Self-healing, Seamless
Roaming
- **Wireless Security**
No Security, WPA-PSK(TKIP)+WPA2-PSK(AES), W-
PA2-PSK(AES), WPA2-PSK(AES)+WPA3-Personal, W-
PA3-Personal, 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 XX535
Power Adapter
RJ45 Ethernet Cable
Quick Installation Guide

Software

- **DHCP**
Server, DHCP Client List, Address Reservation
- **Quality of Service**
Hardware QoS, Flow Classification
- **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**
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