

AC1200 Wireless XPON Router

MODEL: XC220-G3



Overview

TP-Link's AC1200 Wireless XPON Router XC220-G3 is an XPON terminal that supports both Gigabit Passive Optical Network and Ethernet Passive Optical Network, ideal for Fiber-to-the-Home solution, allowing users to access high-speed internet connection via the XPON port and devices to connect wirelessly at 1200Mbps wireless 802.11ac speed. XC220-G3 provides a perfect terminal solution and future-oriented service, supporting capabilities for FTTH deployment.



Fast Internet Access

Along with two GE LAN Ports, users can enjoy high-speed XPON services and bandwidth-intensive multimedia applications.



High-Speed XPON Service

Compliant with the XPON standards, it supports maximum data rates of up to 2.488Gbps downstream, 1.244Gbps upstream.



EasyMesh Compatible

Create smart mesh Wi-Fi network to cover every corner of a home with great flexibility based on standard mesh technology.



Easy Remote Management

TR-069 protocol enables an operator to remotely configure and manage end-user devices.

Features



Wi-Fi Range

Two high-gain antennas increase wireless strength and stability



Reliability

IP-based Bandwidth Control makes it easier for you to manage bandwidth of the connected devices



Ease of Use

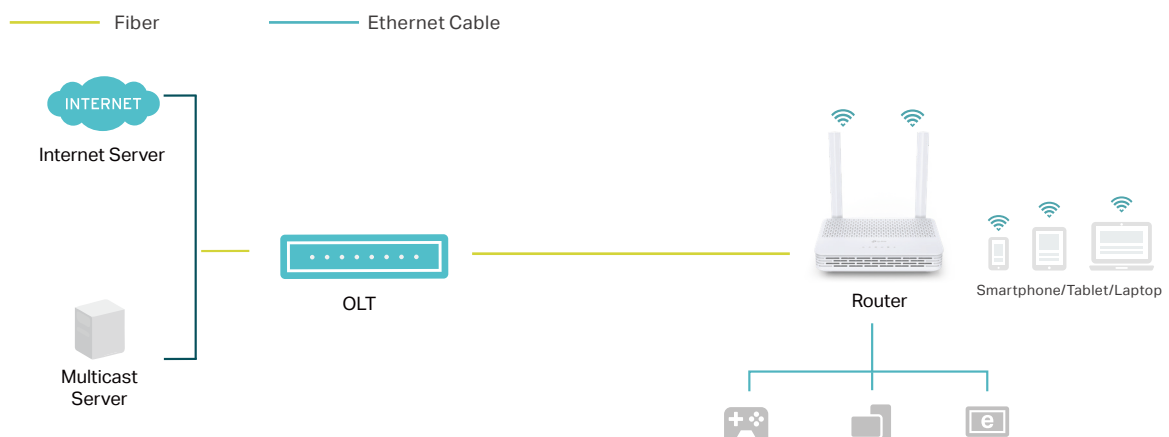
Quick and hassle-free installation & Intelligent power-saving method



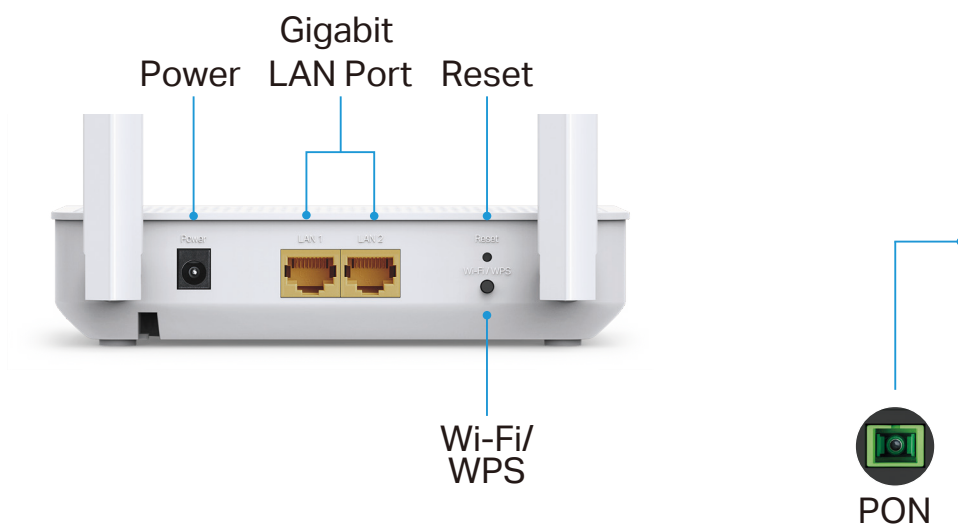
Security

Integrated security features of Parental Controls, VPN Server, Encryptions for Secure Network

Network Topology



Hardware Description



Specifications

Hardware

- Interface
 - 1× SC/APC PON Port,
 - 2× 10/100/1000Mbps LAN Port
- Power Adapter Input
 - 100-240V/50-60Hz
- Power Adapter Output
 - 12V/1A
- Button
 - Reset Button, WPS/Wi-Fi Button
- CPU
 - 900MHz Dual-Core CPU
- Dimensions (W * D * H)
 - 6.2 × 4.7 × 1.5 in. (157.2 × 119.7 × 37 mm)
- Antenna type
 - Two External Antennas

Software

- Protocols
 - Supports IPv4 and IPv6
- Working Mode
 - Router
- Multi-SSID
 - Up to 3 SSIDs for each band
- Management
 - Local Management, Remote Management, TR-069(TR-098), TR-143
- DHCP
 - Server, Client
- Firewall Security
 - SPI Firewall, DDoS, Access Control, IP-MAC binding
- WAN Connection Type
 - Dynamic IP/Static IP/PPPoE
- IGMP
 - Support IPTV, IGMPV2/3 and IGMP Snooping/Proxy
- Routing
 - Static Routing, RIP
- NAT Forwarding
 - ALG, Virtual Server, Port Triggering, DMZ, UPnP
- DDNS
 - NO-IP, DynDNS
- Quality of Service
 - WMM
- Parental Control
- 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
- Output reflection loss
 - >15dB 47MHz~1000MHz
- Transmitter
 - DFB Laser
- Receiver
 - PIN-TIA
- Distance
 - 0 ~ 20Km Max

Wireless

- Wireless Standards
 - IEEE 802.11ac/n/a (5 GHz), IEEE 802.11b/g/n (2.4 GHz)
- Frequency
 - 2.4 GHz and 5 GHz (DFS not supported)
- Signal Rate
 - 867 Mbps at 5 GHz, 300 Mbps at 2.4 GHz
- Transmit Power
 - 2.4 GHz: 20dBm(EIRP), 5 GHz: 23dBm(EIRP)
- Wireless Security
 - WPA/WPA2/WPA3-PSK

Others

- Certification
 - CE, RoHS
- Environment
 - Operating Temperature: 0°C~40°C (32°F~104°F),
 - Storage Temperature: -40°C~60°C (-40°F ~140°F)
 - Operating Humidity: 10%~90% non-condensing
 - Storage Humidity: 5%~90% non-condensing
- Package Contents
 - AC1200 Wireless XPON Router XC220-G3
 - 1× RJ45 Ethernet Cable
 - 1× Power Adapter
 - 1× Quick Installation Guide
 - 1× GPL Statement