

AC1200 Wireless VoIP XPON Router

MODEL:XC220-G3v



Overview

TP-Link's AC1200 Wireless VoIP XPON Router XC220-G3v 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-G3v provides a perfect terminal solution and future-oriented service, supporting capabilities for FTTH deployment.



EasyMesh Compatible

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



Full Gigabit Wired

With three gigabit LAN ports, speeds can be up to 10x faster than standard Ethernet connections.



Supports VoIP Calls

With FXS port, users can make or receive phone calls over the Internet simply.



Easy Remote Management

Supports OMCI and TR-069, which make it easy to activate, configure and manage remotely.

Features



Speed

- Fast Wireless Speed
- Support 802.11 ac
- MU-MIMO Technology
- Gigabit Wired Speed



Wi-Fi Range

- Optimal Range Wi-Fi
- Beamforming



Reliability

- Simultaneous Dual Band
- Easy Bandwidth Management



Ease of Use

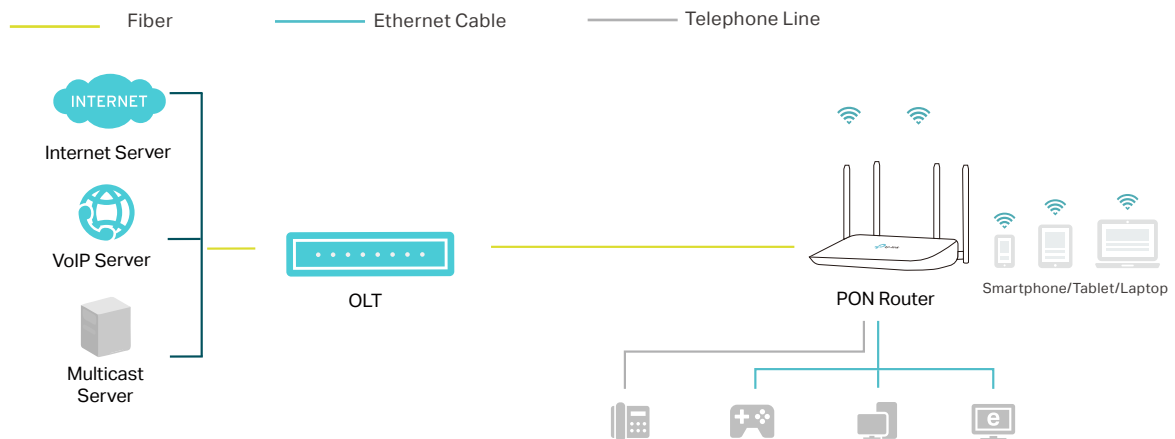
- Intuitive Web UI
- Fast Encryption
- Web UI Upgrade



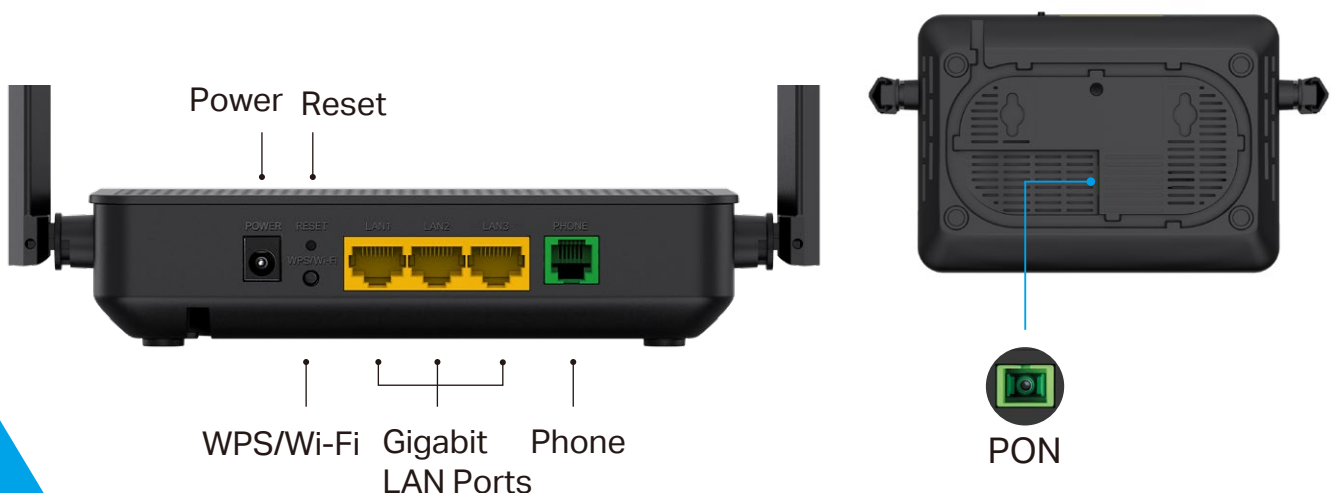
Security

- Multi-SSID
- Parental Control
- Encryptions for Secure Network

Network Topology



Hardware Description



Specifications

Hardware

- Interface
3× 10/100/1000 Mbps RJ45 LAN Ports,
1× SC/APC GPON Port, 1× RJ11 FXS Port
- Button
WPS/Wi-Fi Button, Reset Button
- External Power Supply
12V/1A
- Dimensions (W * D * H)
6.77 × 4.43 × 1.46 in (172 × 112.4 × 37 mm)
- Antenna
2 External Dual Band Antennas

Software

- DHCP
Server, Client, DHCP Client List, Address Reservation, DHCP Relay
- Quality of Service
802.1p QoS
- Port Forwarding
Virtual Server, Port Triggering, DMZ, ALG, UPnP
- Dynamic DNS
DynDNs, NO-IP
- Security
NAT Firewall, Access Control, MAC/IP/URL Filtering, IP and MAC Address Binding, Defense "Denial of Service (DoS), SYN Flooding, Ping of Death"
- Advanced Functions
Parental Control, Network Address Translation (NAT), Port Mapping (Grouping), Static Routing, DNS Relay, DDNS, IGMP V1/V2/V3
- Management
Web Based Configuration (HTTP), Remote management, Command Line Interface, SSL for TR-069, Web Based Firmware Upgrade, Diagnostic Tools, OMCI
- Protocols
Supports IPv4 and IPv6
- VoIP Features
Call hold, Call forward, Warm call, Do not disturb, Call restriction, Speed dial, etc. Caller ID, 3-party conference, SIP account – up to 8 accounts

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

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 (not Supports DFS)
- Signal Rate
867 Mbps at 5 GHz, 300 Mbps at 2.4 GHz
- Transmit Power
2.4Ghz: 27dBm(EIRP), 5Ghz: 28dBm(EIRP)
- Wireless Security
WPA/WPA2/WPA3-PSK

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)
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing
- Package Contents
AC1200 Wireless VoIP GPON Router
RJ45 Ethernet Cable
Power Adapter