

300Mbps Wireless N Gigabit VoIP GPON Router

MODEL: XN020-G3v



Overview

TP-Link's N300 Wireless GPON router XN020-G3v is a Gigabit Passive Optical Network (GPON) terminal, ideal for Fiber-to-the-Home solution, allowing users to access high-speed internet connection via the GPON port and devices to connect wirelessly at 300Mbps wireless 802.11n speeds. XN020-G3v provides a perfect terminal solution and future-oriented service, supporting capabilities for FTTH deployment.



Fast Internet Access

Along with 1 10/100/1000Mbps LAN Port and 1 10/100Mbps LAN Port, users can enjoy high-speed GPON services and bandwidth-intensive multimedia applications.



High-Speed GPON Service

Compliant with the ITU-T G.984 GPON standards, XN020-G3v supports maximum data rates of up to 2.488Gbps downstream, 1.244Gbps upstream.



All-in-One Device

With a GPON modem, 300Mbps wireless AP and 2-port Switch, 1-port FXS, the XN020-G3v is everything your home or office needs to be fully connected.



Convenient VoIP Calls

Supports up to 8 VoIP accounts and various call features, such as caller ID, call waiting, call holding and call forwarding to surpass traditional landlines.

Features



Speed

2.488Gbps
Downstream and
1.244Gbps Upstream



Wi-Fi Range

Two high-gain
antennas increase
wireless strength and
stability



Reliability

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



Ease of Use

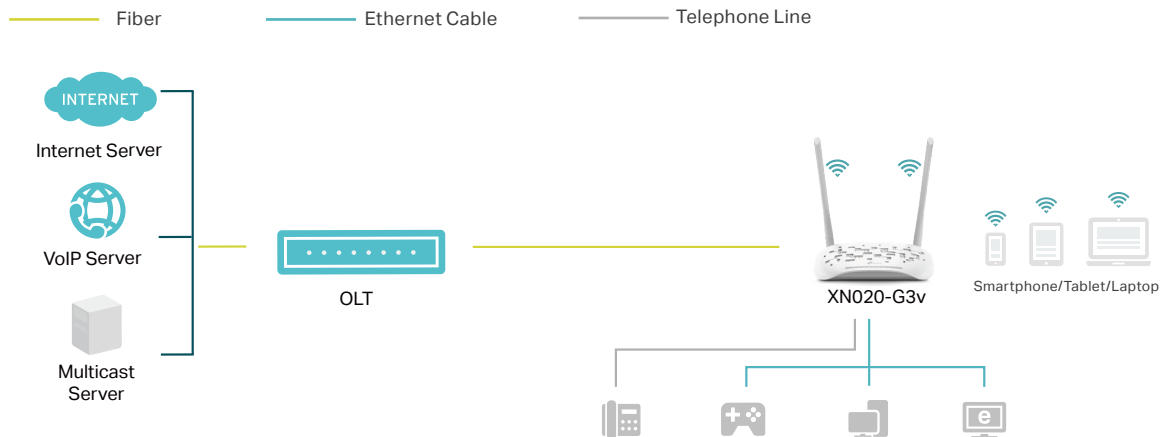
Quick and
hassle-free
installation Intelligent
power-saving
method



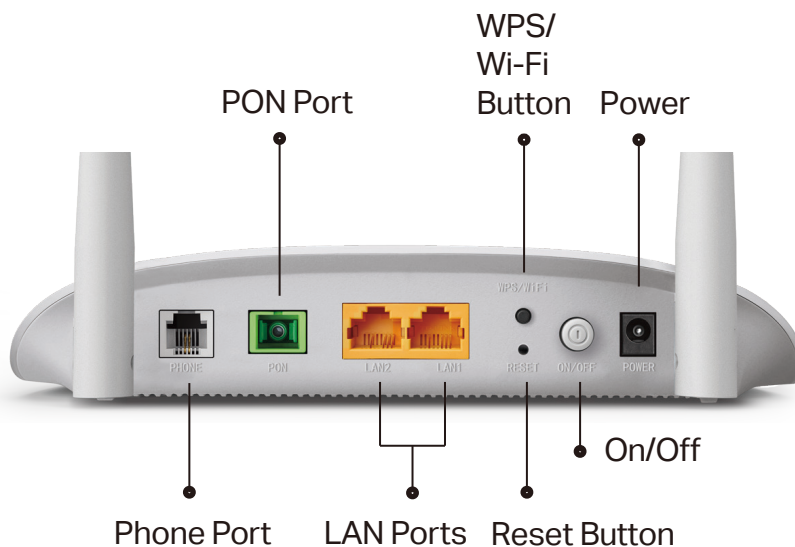
Security

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

Network Topology



Hardware Description



Specifications

Hardware

- **Interface**
1 SC/APC Port, 1 10/100/1000Mbps LAN Port,
1 10/100Mbps LAN Port, 1 FXS Port
- **Button**
Power On/Off Button, Reset Button, WPS / Wi-Fi Button
- **External Power Supply**
12V/0.6A
- **Dimensions (W * D * H)**
7.1 × 4.9 × 1.4 in. (181 × 125 × 36mm)
- **IEEE Standards**
IEEE 802.3, IEEE 802.3u, 802.3ab
- **Wireless Standards**
IEEE 802.11g, 802.11b, 802.11n
- **GPON Standards**
ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4
- **VoIP Standard**
SIP (RFC3261)/RTP(RFC1889/3550), ITU-T G.711A/u,
G.722, G.729AB, G.726, T.38 pass-through
- **Antenna Type**
External , 2 x 2 5dBi for 2.4GHz

Wireless

- **Wireless Standards**
IEEE 802.11g, 802.11b, 802.11n
- **Frequency**
2.4GHz
- **Signal Rate**
300Mbps at 2.4GHz
- **Transmit Power**
<20dBm (2.4GHz)
- **Wireless Function**
Enable/Disable Wireless Radio, WMM, Wireless Statistics
- **Wireless Security**
64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA-PSK2 encryptions
- **Wireless Schedule**
Support 2.4GHz Schedule

Software

- **DHCP**
Server, Client, DHCP Client List, Address Reservation, DHCP Relay
- **Quality of Service**
ATM QoS, QoS
- **Port Forwarding**
Virtual Server, Port Triggering, DMZ, ALG, UPnP
- **Dynamic DNS**
DynDns, NO-IP
- **VPN**
OpenVPN, PPTP VPN, IPSec VPN
- **Security**
NAT Firewall, SPI Firewall, Access Control, MAC/URL Filtering,
Denial of Service (DoS), SYN Flooding, Ping of Death, IP and MAC
Address Binding
- **Advanced Functions**
SN, Password, SN + Password Authentication Mode,
Upstream and Downstream FEC, AES encryption, Dynamic
Bandwidth, Allocation(DBA) support NSR/SR, 802.1Q VLAN, Static
Routing, IGMP v1/v2/v3, 16 T-CONTs, 256 GEM Ports
- **Management**
OMCI, Web Based Configuration, Command Line Interface, SSL
for TR-069, OMCI Based Firmware Upgrade
- **IPSec VPN**
Support up to 10 IPSec VPN tunnels
- **Protocols**
Supports IPv4 and IPv6

Others

- **Certification**
CE, Anatel
- **Environment**
Operating Temperature: 0°C~40°C (32°F~104°F),
Storage Temperature: -40°C~70°C (-40°F ~158°F)
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing
- **Package Contents**
300Mbps Wireless N Gigabit VoIP GPON Router XN020-G3v
RJ11 Phone Cable
RJ45 Ethernet Cable
Quick Installation Guide
Power Adapter