



300Mbps Wireless N Gigabit VoIP GPON Router

All-in-One Device



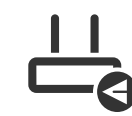
XN020-G3v



VoIP



GE LAN

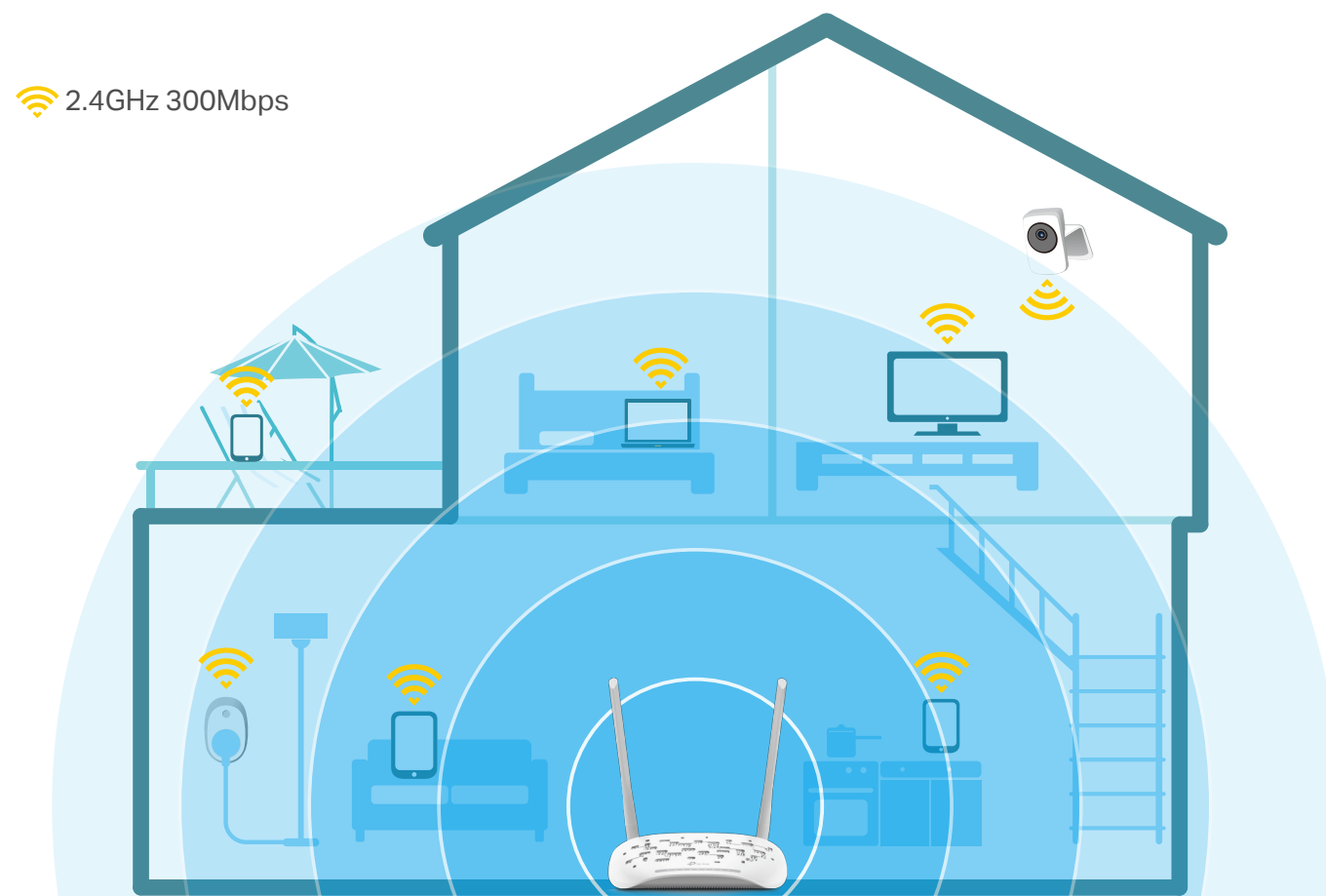


Remote
Management

Highlights

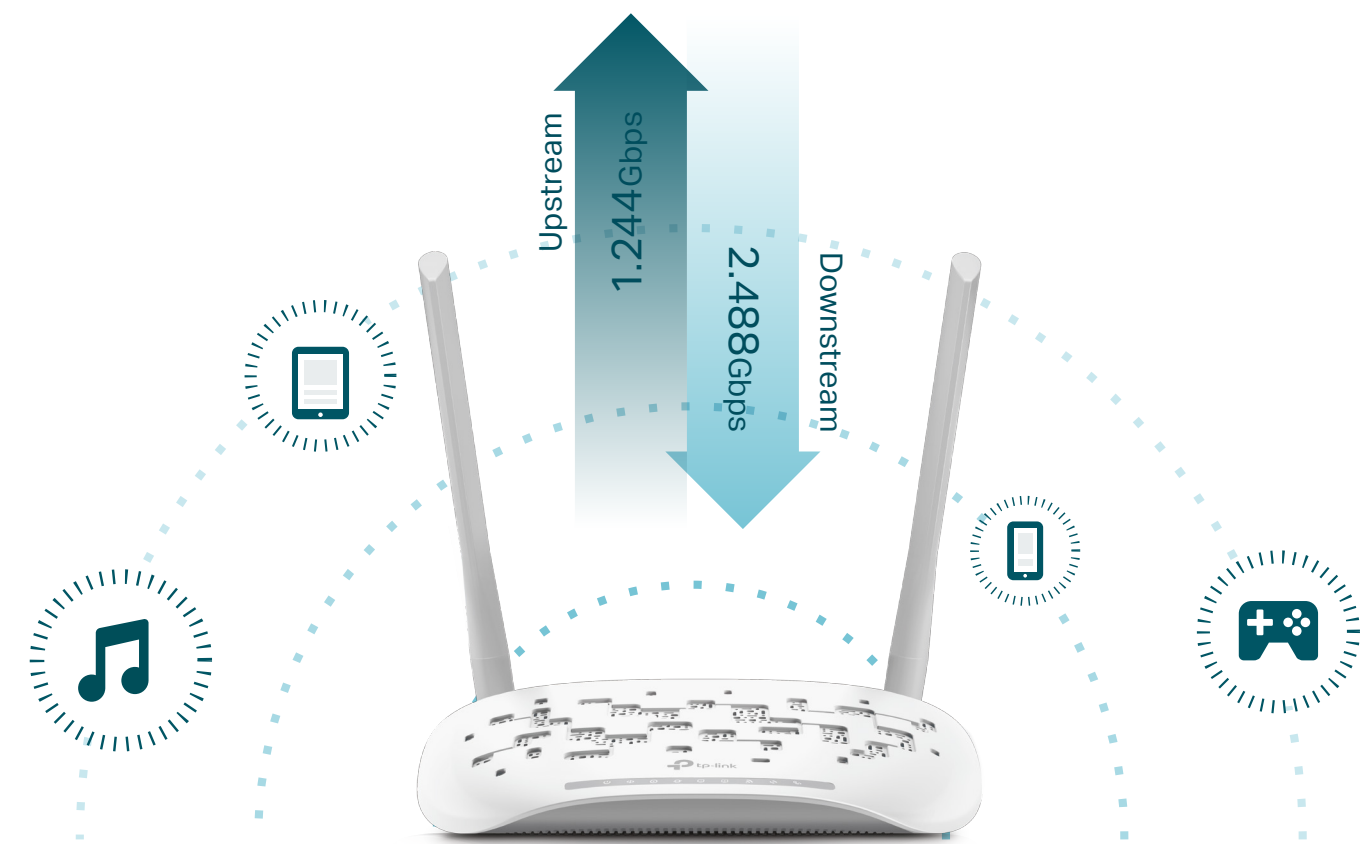
Make Fiber-to-the-Home Yours

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.



High-speed GPON Service

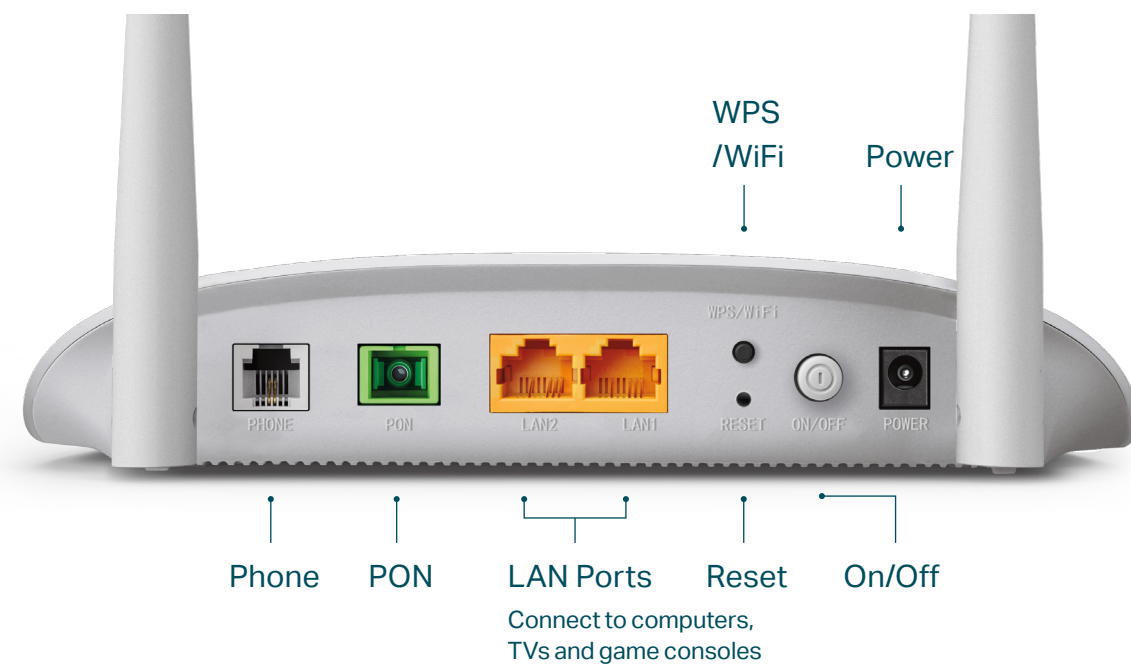
Compliant with the ITU-T G.984 GPON standards, XN020-G3v supports maximum data rates of up to 2.488Gbps downstream, 1.244Gbps upstream. Along with 1 10/100/1000Mbps LAN Port and 1 10/100Mbps LAN Port, users can enjoy high-speed GPON services and bandwidth-intensive multimedia applications such as interactive gaming, streaming and real-time audio much easier and faster than ever before.



Highlights

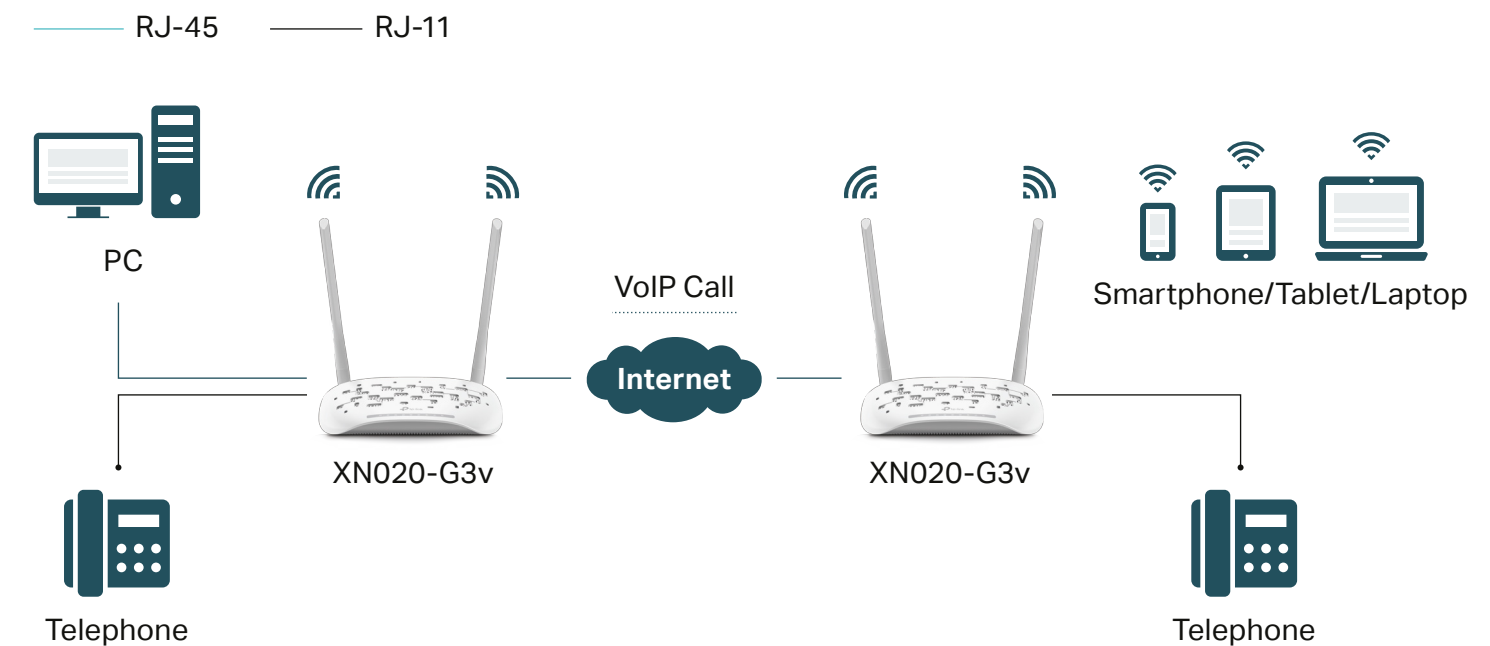
All-in-One Device

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.



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.

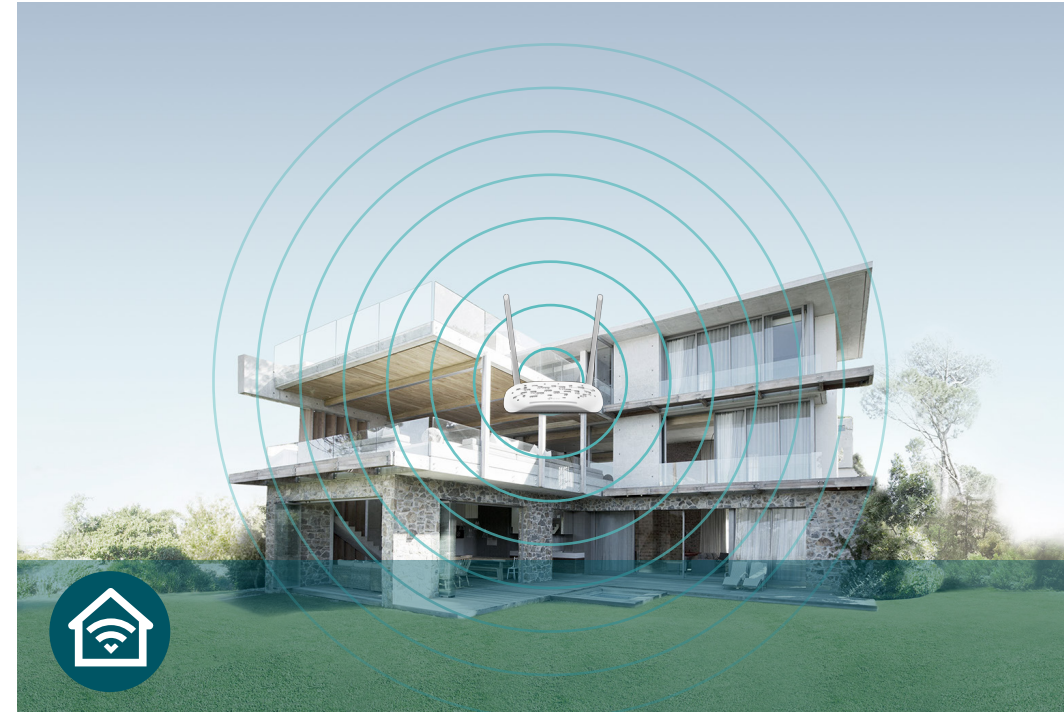


Features



Speed

- Extremely high access speed up to 2.488Gbps Downstream and 1.244Gbps Upstream
- 300Mbps wireless transmission rate ideal for both bandwidth sensitive tasks and basic work



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

Features



Ease of Use

- Intuitive Web UI – Ensures quick and simple installation without hassle
- Fast Connection – Connect wireless devices securely with the press of WPS button
- Easy On/Off – Turn On/Off power and wireless radio separately using the Power On/Off and Wi-Fi On/Off buttons
- Web UI Upgrade – Update firmware on the web UI



Security

- Parental Controls – Manage when and how connected devices can access the internet
- VPN Server – OpenVPN, PPTP VPN and IPSec VPN are supported, making it easy to set up a secure connection between your private network and the internet
- Encryptions for Secure Network – WPA-PSK/WPA2- PSK encryptions provide active protection against security threats

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 x D x 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

Specifications

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, SNMP v1/2c, OMCI Based Firmware Upgrade
- IPsec VPN: Support up to 10 IPsec VPN tunnels
- Protocols: Supports IPv4 and IPv6

Others

- Certification: CE, Anatel
- System Requirements:
 - Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1, 10, MAC OS, NetWare, UNIX or Linux
 - Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0 , or other Java-enabled browser
 - Cable or DSL Modem
- 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