

300Mbps Wireless N Gigabit XPON Router

MODEL: XN020-G3



Overview

TP-Link's N300 Wireless XPON router XN020-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 300Mbps wireless 802.11n speeds. XN020-G3 provides a perfect terminal solution and future-oriented service, supporting capabilities for FTTH deployment.



Fast Internet Access

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



High-Speed XPON Service

Compliant with the XPON standards, XN020-G3 supports maximum data rates of up to 2.488Gbps downstream, 1.244Gbps upstream.



All-in-One Device

With a XPON modem, 300Mbps wireless AP and 1-port Switch, the XN020-G3 is everything your home or office needs to be fully connected.



Easy Remote Management

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

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

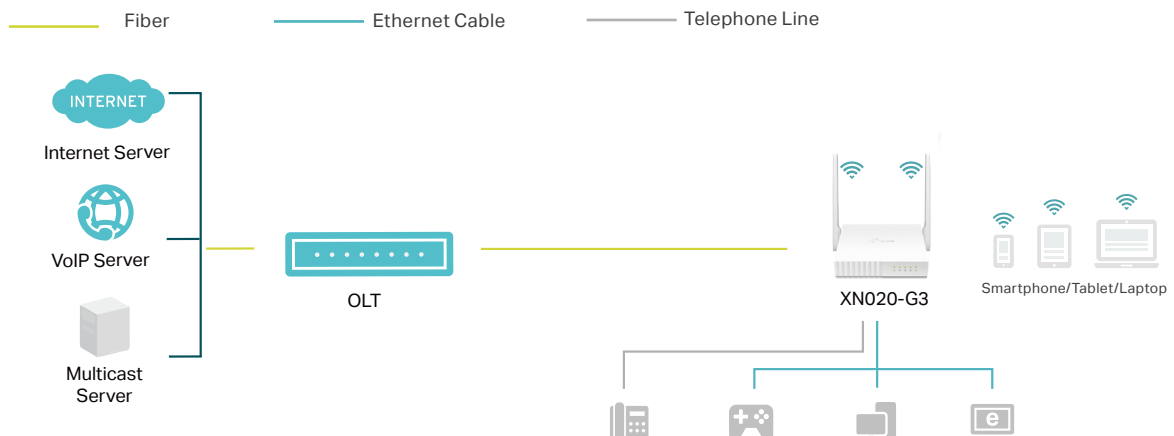
Quick and
hassle-free
installation Intelligent
power-saving
method



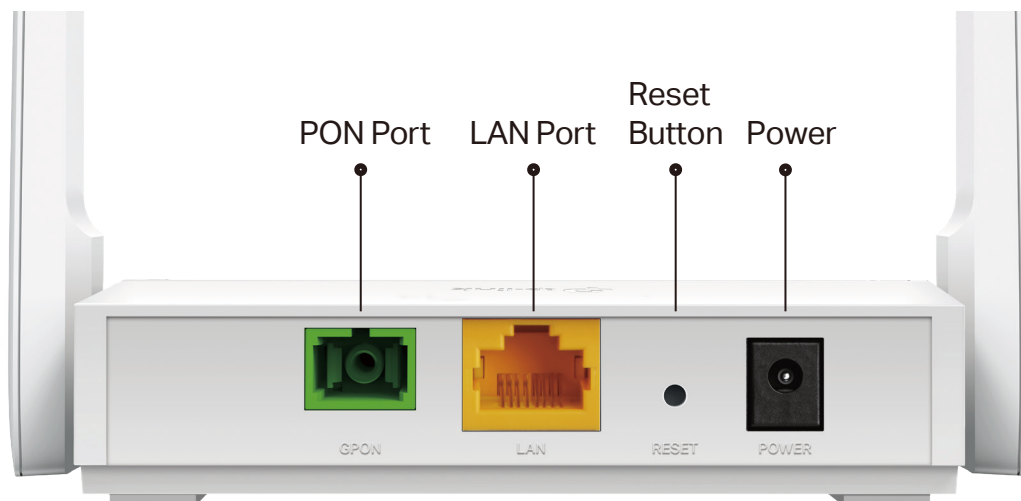
Security

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

Network Topology



Hardware Description



Specifications

Hardware

- GPON Interfaces
1 SC/APC Port, 1 10/100/1000Mbps LAN Port
- EPON Interfaces
Conforming to IEEE.802.3ah EPON protocol
1.25 Gbps upstream (transmitter)
1.25 Gbps downstream (receptor)
- Button
Reset Button
- External Power Supply
12V/0.6A
- Dimensions (W * D * H)
4.5 × 4.2 × 1.0 in. (115 × 106.7 × 24.3mm)
- 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, ITU G.988
- 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, DMZ, ALG, UPnP
- Dynamic DNS
DynDns, NO-IP
- 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
- Protocols
Supports IPv4 and IPv6

Others

- Certification
CE
- 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 XPON Router XN020-G3
RJ45 Ethernet Cable
Quick Installation Guide
Power Adapter