300Mbps Wireless N Gigabit GPON Router
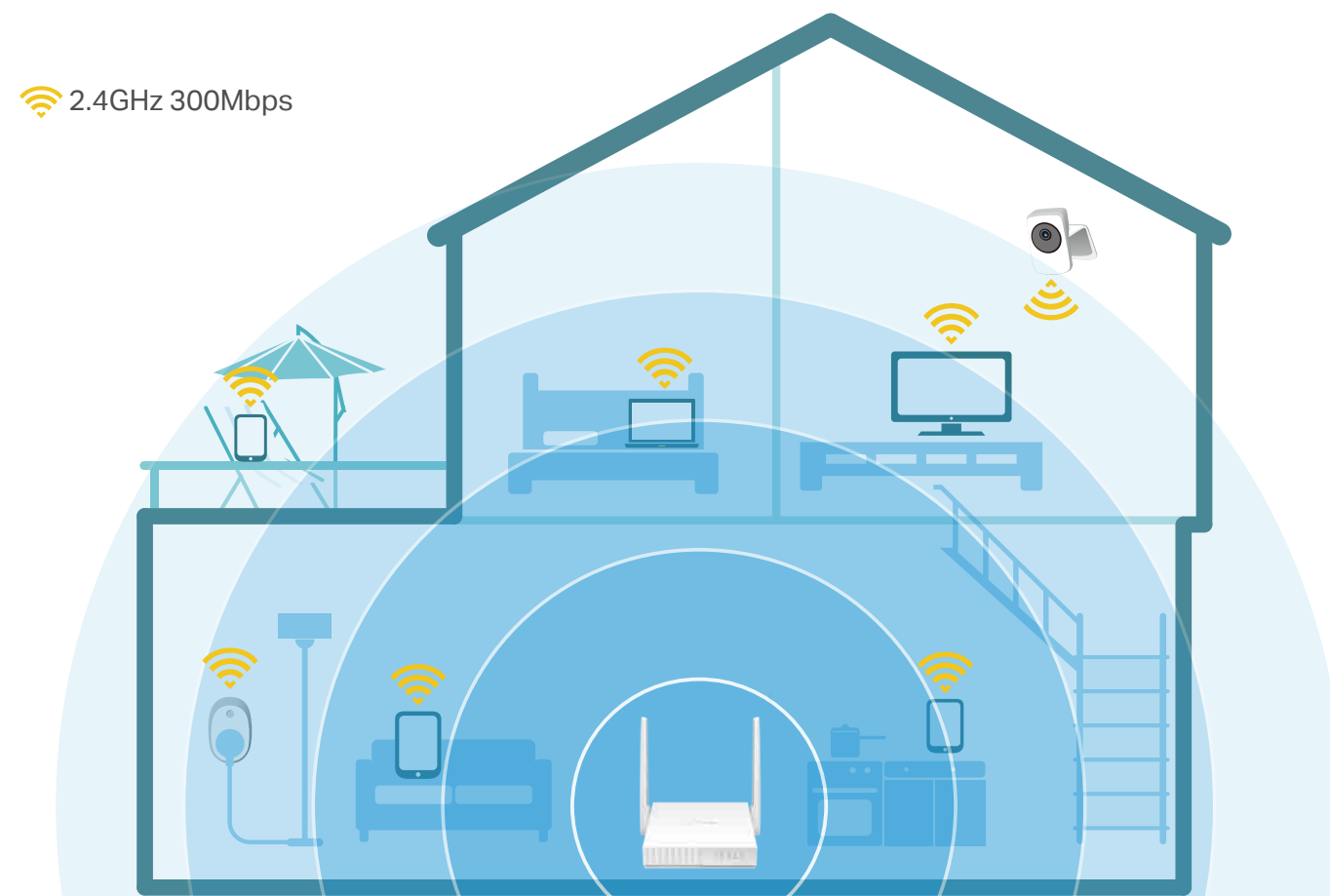
All-in-One Device

XN020-G3

GE LAN | Remote Management
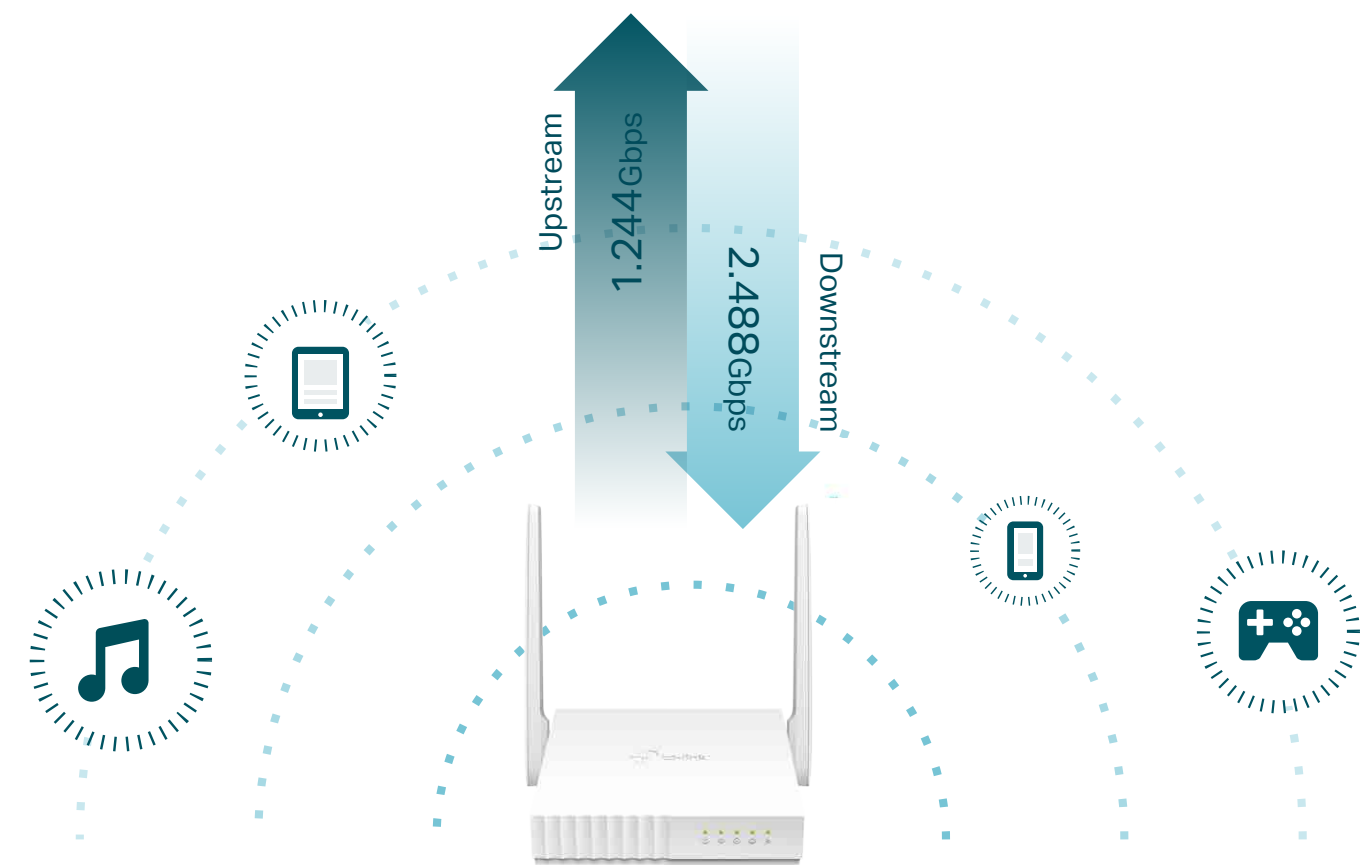
Highlights

Make Fiber-to-the-Home Yours

TP-Link's N300 Wireless GPON router XN020-G3 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-G3 provides a perfect terminal solution and future-oriented service, supporting capabilities for FTTH deployment.
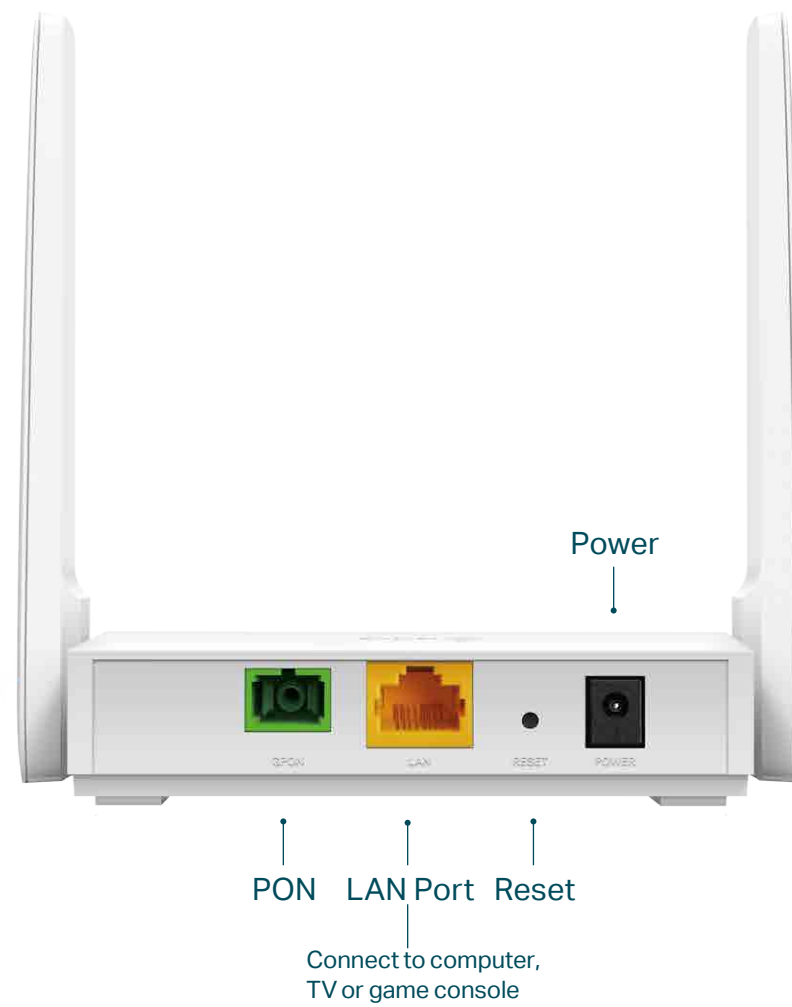
High-speed GPON Service

Compliant with the ITU-T G.984 / G.988 GPON standards, XN020-G3 supports maximum data rates of up to 2.488Gbps downstream, 1.244Gbps upstream. With 1 10/100/1000Mbps 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.

2.4GHz 300Mbps

Upstream 1.244Gbps

Downstream 2.488Gbps

TP-Link   300Mbps Wireless N Gigabit GPON Router   XN020-G3

Highlights

All-in-One Device

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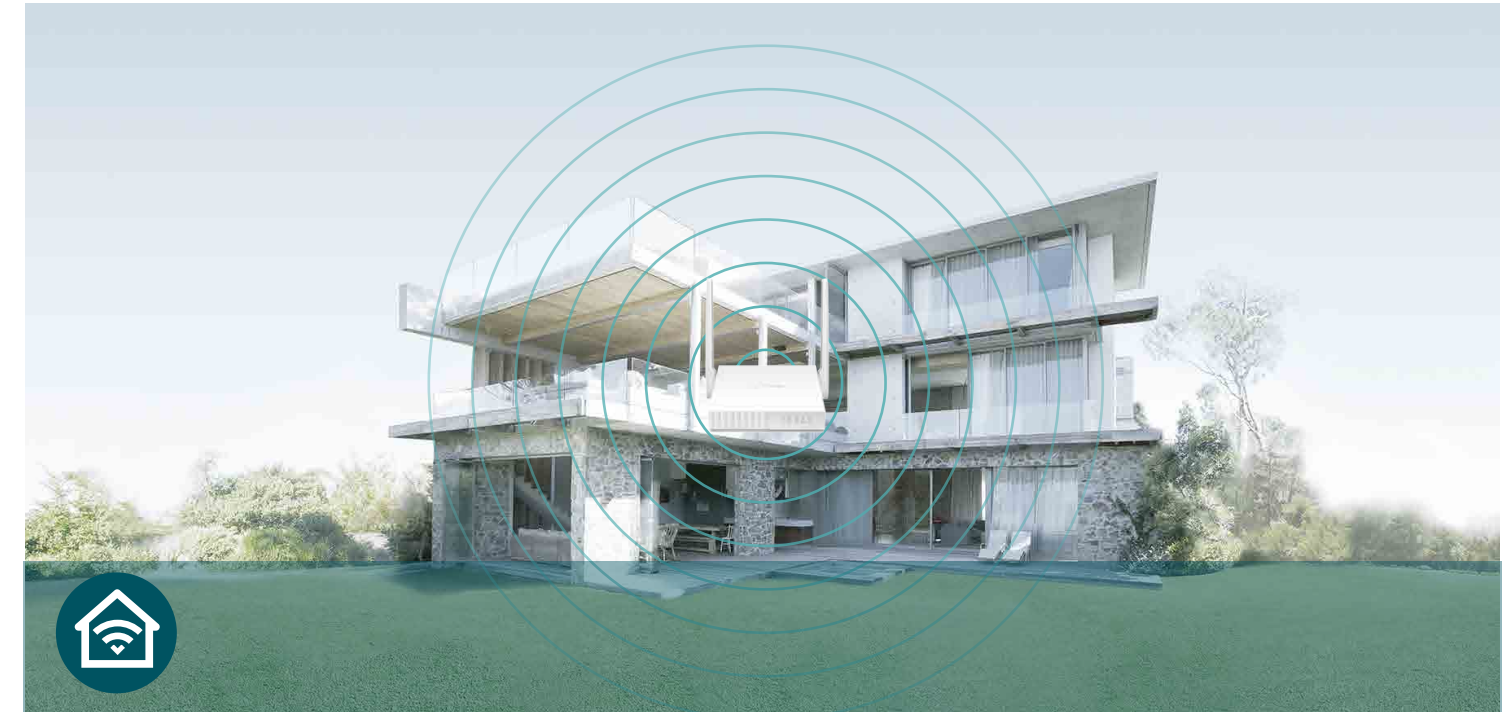XN020-G3 is everything your home or office needs to be fully connected.

Power

PON   LAN Port Reset

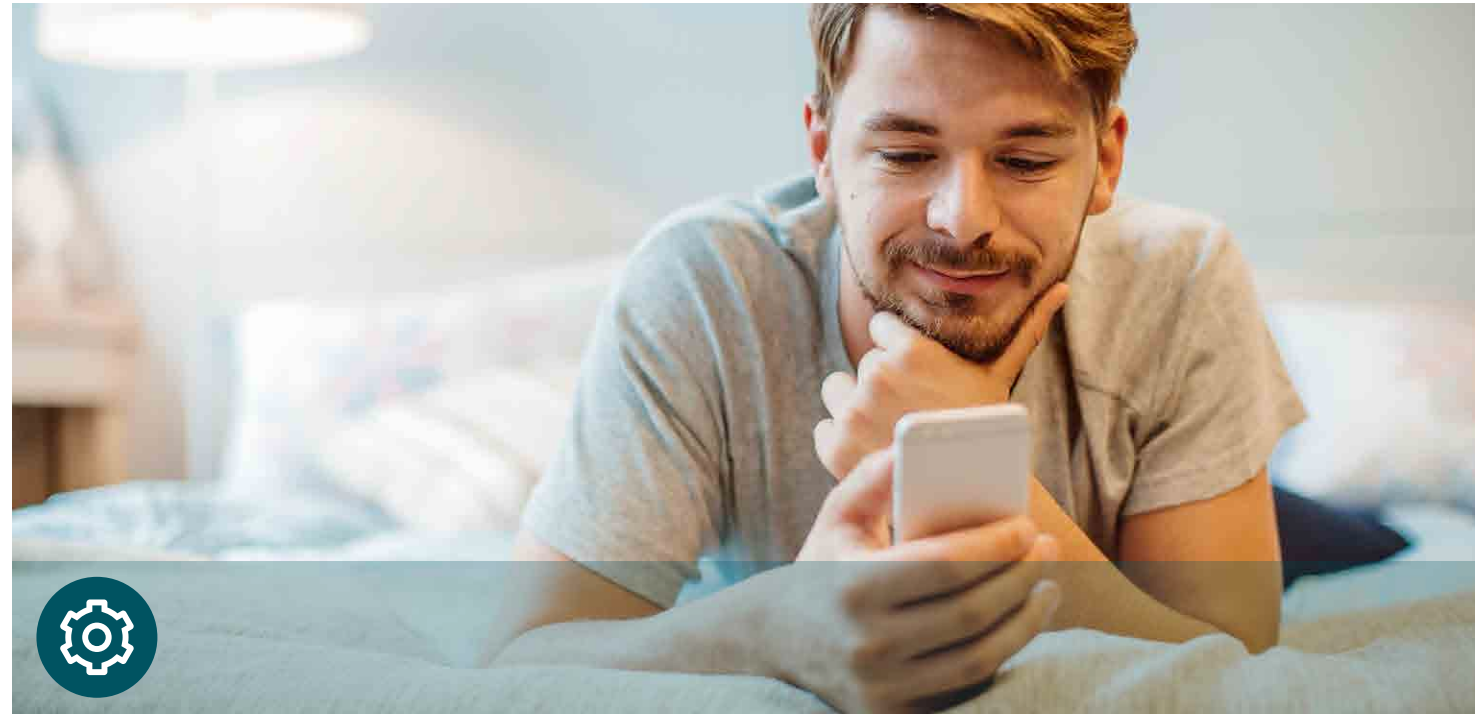Connect to computer,
TV or game console

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

Features

Ease of Use

· Intuitive Web UI – Ensures quick and simple installation without hassle

· Web UI Upgrade – Update firmware on the web UI

Security

· Parental Controls – Manage when and how connected devices can access the internet

· Encryptions for Secure Network – WPA-PSK/WPA2- PSK encryptions provide active protection against security threats

Specifications

Hardware

· Interface: 1SC/APC Port, 1 10/100/1000Mbps LAN Port

· Button: Reset Button

· External Power Supply: 9V/0.6A

· Dimensions (W x D x 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

Specifications

Software

- **DHCP:** Server, Client, DHCP Client List, Address Reservation, DHCP Relay

- **Quality of Service:** ATM QoS, 802.1p 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, NOM

- **System Requirements:**

  Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser

  Subscription with an internet service provider (for internet access)

- **Environment**

  Operating Temperature: 0℃~40℃ (32℉~104℉)

  Storage Temperature: -40℃~60℃ (-40℉~140℉)

  Operating Humidity: 10%~90% non-condensing

  Storage Humidity: 5%~90% non-condensing

- **Package Contents**

  300Mbps Wireless N Gigabit GPON Router XN020-G3

  RJ45 Ethernet Cable

  Quick Installation Guide

  Power Adapter