tp-link

VAginet

Product Guide

Reliable.
Flexible.
Connected.

Reliably Smart
www.tp-link.com

2023

CORPORATE PROFILE

TP-Link serves as the network backbone for homes and businesses worldwide. With humble beginnings in 1996, the company has grown to what it is today: a global provider.

You can find our Reliably Smart devices connecting 1.7 billion people in over 170 countries and regions. These numbers have led analyst firm IDC to rank us as the No. 1 provider of Wi-Fi devices for over a decade.*

We understand the importance of the always-connected lifestyle. Our products feature the latest technologies and are engineered to last. The TP-Link portfolio includes home-business-ISP networking, surveillance, and consumer electronics. Rest assured that you're receiving our proven stability, performance, and value with every device.

As our lives grow ever more connected, TP-Link will continue to pursue excellence and explore the possibilities of tomorrow.

TP-Link Service Provider BU

The Service Provider BU (SPBU) is one of the four major business units under TP-Link, fully dedicated to developing home and business networking solutions and services for internet service providers (ISPs), consumers, and partners around the world. We have built reliable partnerships with the leading ISPs from around the world.

Under the Aginet flag, SPBU offers a comprehensive range of products and solutions including Aginet Solutions, Wi-Fi routers, Whole Home Mesh Wi-Fi Systems, GPON OLT, xPON ONTs, xDSL modem routers, and 4G/5G routers. All of these are backed by innovative R&D, quality-assured vertical manufacturing, and excellent pre-and-after sales services.

*According to the latest published IDC Worldwide Quarterly WLAN Tracker Report, Q3 2021 Final Release.

CONTENTS

Why TP-Link Aginet

We offer innovative technology, flexible products, management solutions, and incomparable services to empower ISPs and provide better user experience to end users around the globe.

Aginet for Internet Service Providers

Aginet stems from TP-Link's commitment to offering a highly agile network solution to service providers to match their ever-changing markets. This symbolizes the necessity for a holistic system that relies on trustworthiness and flexible cooperation. The logo's straightforward and impactful visualization stresses Aginet's three core concepts: professionalism, agility, and reliability.

One-Stop Solution

Aginet provides a reliable foundation for cooperation

- Carrier-grade products and tailor-made solutions
- TAUC reduces operational costs and improves customer satisfaction
- The Aginet app brings convenience and flexibility
- Guaranteed quality with rigorous testing and whole-process quality control

Customized Design

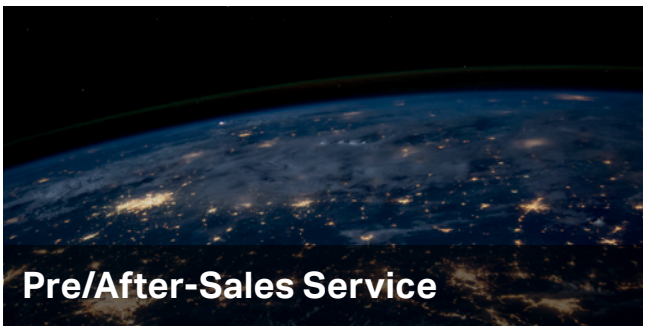
Independent R&D and manufacturing capabilities work in conjunction with rich certification to better meet ISPs' demands

- Field-tested functions & features
- Remote management & auto provision interoperability
- Simplified operation and reduced costs for ISPs
- Rich lab certification

Logistic Support

High-quality logistic support ensures operators receive better services and faster product delivery

- High-efficiency export customs clearance
- Pre-stocking service per forecast
- Warehouse localization support
- Quick & responsive delivery process



Pre/After-Sales Service

44 global local teams ensure operators can be supported in a very short time

- Global service coverage
- Quick technical service
- Thoughtful RMA service

Key Technology of This Year

TP-Link has always been committed to researching the world's cutting-edge, emerging technologies. We strive to make our products smarter and more powerful, providing truly seamless connections between devices and giving users better experiences.

Take a glance at our annual list of the key technologies that will play an important role in our products and have a profound impact on your home or business network.

Wi-Fi 7

Multi-Gig Internet Access Solution
for Connected Homes

XGS-PON 5G EasyMesh HomeShield

What is Wi-Fi 7?

Wi-Fi 7 is the upcoming Wi-Fi standard, also known as IEEE 802.11be Extremely High Throughput (EHT). It utilizes the 2.4 GHz, 5 GHz, and 6 GHz frequency bands. Building off Wi-Fi 6, Wi-Fi 7 introduces 320 MHz ultra-wide bandwidth, 4096-QAM, Multi-RU, and Multi-Link operation.

What's different from the previous generations?

Although Wi-Fi 6 provided 37% faster speeds, it was not as impactful as the 10-fold rate increase that Wi-Fi 5 brought. The difference stemmed from the original intention of the Wi-Fi 6 project which aimed to improve efficiency rather than data rates. Wi-Fi 7 is meant for a generation of higher throughput.

	Wi-Fi 4	Wi-Fi 5	Wi-Fi 6	Wi-Fi 6E	Wi-Fi 7
Launch date	2007	2013	2019	2021	2024 (expected)
IEEE standard	802.11n	802.11ac	802.11ax		802.11be
Max data rate	1.2 Gbps	3.5 Gbps	9.6 Gbps		46 Gbps
Bands	2.4 GHz, 5 GHz	5 GHz	2.4 GHz,5 GHz	6 GHz	2.4 GHz, 5 GHz, 6 Hz
Channel size	20, 40 MHz	20, 40, 80, 80+80, 160 MHz	20, 40, 80, 80+80, 160 MHz		Up to 320 MHz
Modulation	64-QAM	256-QAM	1024-QAM		4096-QAM
MIMO	4x4 MIMO	4x4 MIMO, DL MU-MIMO	8×8 UL/DL MU-MIMO		16×16 UL/DL MU-MIMO
RU		RU	RU		Multi-RU
MAC					MLO

Key features of Wi-Fi 7

Higher Speed and Throughput

- 320 MHz Bandwidth on 6 GHz Band
- 16×16 MU-MIMO
- 4K-QAM
- Multi-Link Operation (MLO)

Higher Efficiency

- Flexible Bandwidth Combination on 6 GHz
- Multi-RU

Less Latency

- Multi-Link Operation (MLO)

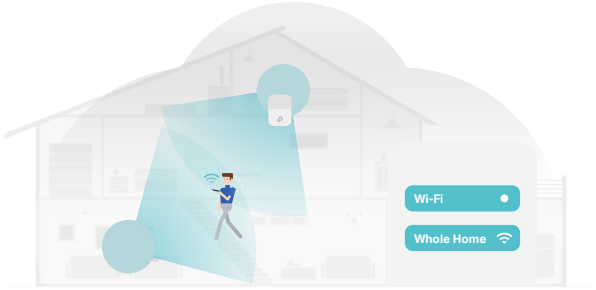
Stronger Anti-Jamming

- Ultra-Clear 6 GHz Band
- Preamble Puncturing
- Multi-Link Operation (MLO)

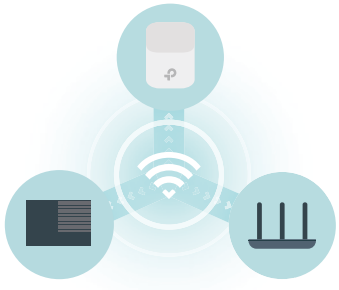
Wi-Fi 7 offers more powerful mesh networking

Experience strong, stable, and seamless wireless connections throughout your home with EasyMesh. The standard mesh technology works across different access points for ultimate flexibility.

Whole home coverage with easy management



All compatible devices work together

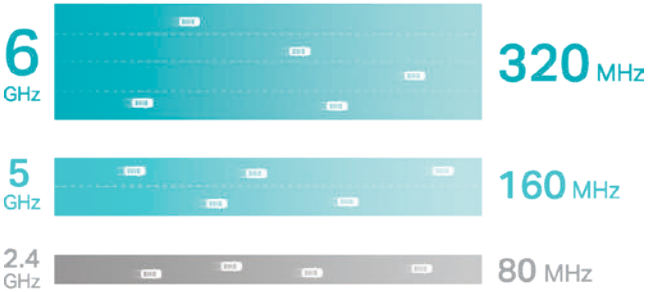


Drive Your Data on the Wide and Clear Band

Access to the 6 GHz frequency brings more bandwidth, faster speeds, and lower latency, opening up resources for future innovations like in AR/VR, 8K streaming, and more.

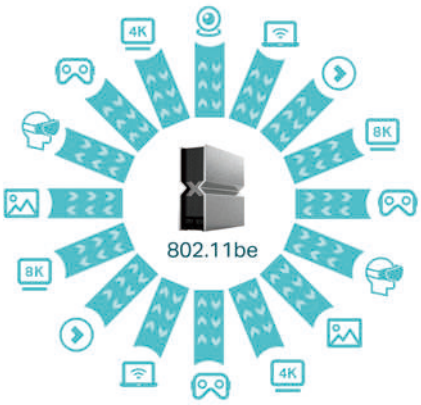
Up to 320 MHz Bandwidth Brings the Ultimate Speed

Wi-Fi 7 unleashes the full potential of the 6 GHz band to double the bandwidth of the last generation. Extending channel width to 320 MHz also enables many more simultaneous transmissions at the fastest possible speeds.



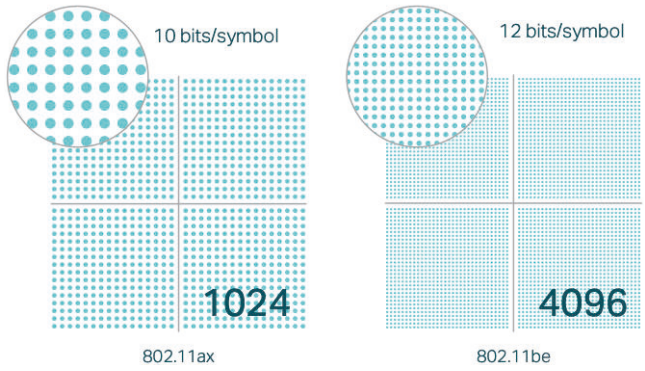
Connect to More Devices with 16×16 MU-MIMO

Wi-Fi 7 increases the number of spatial streams from 8 to 16. The theoretical physical transmission rate is thus doubled compared with Wi-Fi 6, and every device has enough bandwidth to run smoothly.



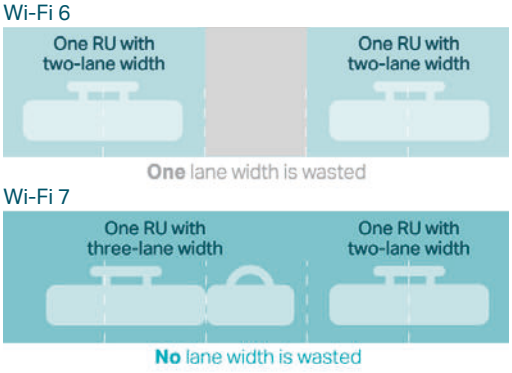
Pack More Data with 4K-QAM

4096-QAM improves raw speeds by 20% compared to Wi-Fi 6's 1024-QAM. This allows you to watch flawless 4K/8K videos and play massive online games without lag.



Multi-RU for Higher Spectrum Efficiency

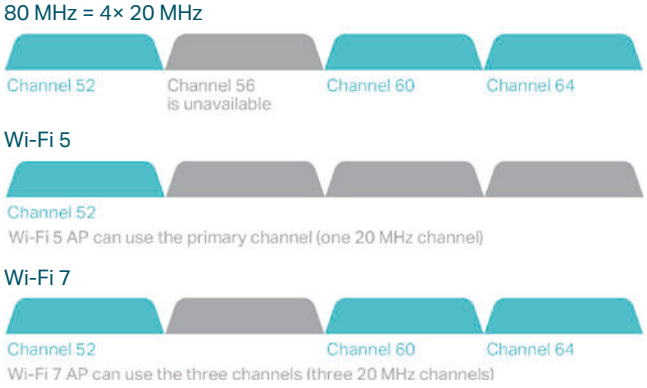
Increases data transfer efficiency by introducing more flexible Resource Unit (RU) allocation. Wi-Fi 7 allows multiple RUs to be assigned to a single user and allows combining RUs for increased transmission efficiency.



Preamble Puncturing for Stronger Anti-Jamming

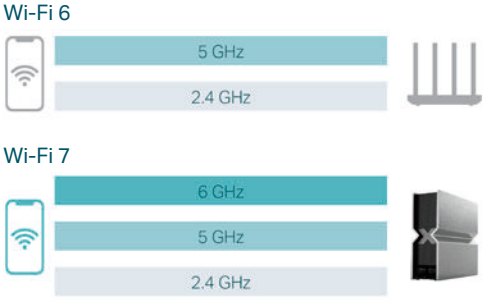
Preamble Puncturing technology prevents interference on a portion of a channel from rendering the rest of the channel unusable.

Example: A Router is Transmitting Data under 80 MHz (Band 2)



Multi-Link Operation (MLO) Increases Throughput, Reduces Latency, and Improves Reliability

Simultaneously send and receive data over multiple radio bands to create a single aggregated connection. This will not only provide faster throughput performance, but will also help reduce latency and allow data to flow unimpeded by network traffic or interference.



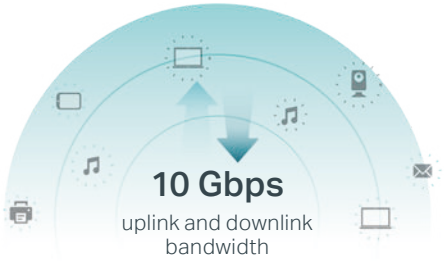
XGS-PON

The Road to Future Networking

XGS-PON is a newer standard for passive optical networks (PON) that supports 10 Gbps symmetric data transmission. It supports multiple PON services to operate simultaneously on the same PON, providing more and better services through existing infrastructure with easy management.
Empowered by the latest Wi-Fi technology, the true XGS-PON speeds is unlocked. Users can enjoy higher speeds, lower latency, and bigger capacity for premium wireless experiences.

Higher Bandwidth, Higher Quality of Service

XGS-PON provides up to 10 Gbps of uplink and downlink bandwidth simultaneously. It meets the higher bandwidth demand of various high-bandwidth services while achieving a high-quality and efficient broadband network.

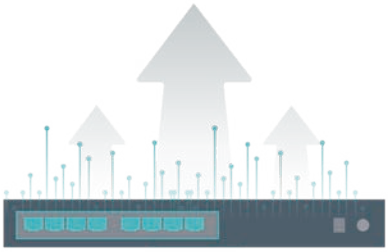


Simplify Network Architecture and Save on Investments

XGS-PON is a future-proof investment because of its higher bandwidth, bandwidth, better cost, the lower total cost of ownership, and longer fiber lifecycle.

More Mainstream Choices for ISPs

The advanced benefits of optical fiber technology over copper have made fiber increasingly popular among ISPs. Fiber optic connections have less loss than copper wires, resulting in longer transmission distances and wider coverage.



The Perfect Fusion of Cutting-Edge Tech

The 5th Generation of Cellular Networks + The 7th Generation of Wi-Fi Networks

What is 5G?

5G is the 5th generation of mobile networking, which enables connections for virtually everything.

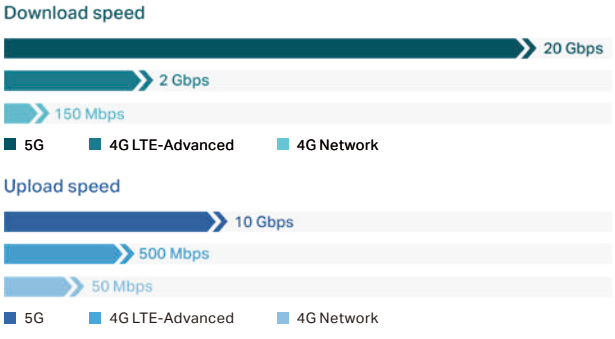
What Does TP-Link 5G + Wi-Fi 7 Bring?

5G brings ultra-fast connections into your home and unlocks unlocks true Wi-Fi 7 speeds. Take advantage of the incredible fast upload speeds—upload videos and live stream your life! Just plug in the 5G SIM card and play with the latest generation of Wi-Fi.

How does 5G work ?

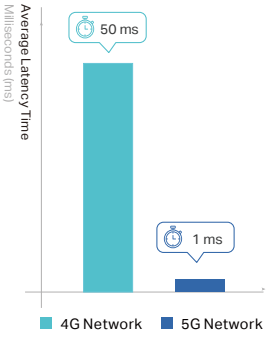
The new **5G NR** air interface will further enhance OFDM to deliver a much higher degree of flexibility and scalability.
5G can operate in both lower bands (e.g., **sub-6 GHz**) as well as **mmWave** (e.g., 24 GHz and up), which will bring extreme capacity, multi-Gbps throughput, and low latency.

Faster speeds



*5G speed is theoretical speeds based on IMT-2020 plans.

Lower latency, down to 1ms



Denser Connections

The Number of Devices per 1 km² Supports

1,000,000 100,000

5G applications

Enhanced mobile broadband

5G mobile technology ushers in new immersive experiences such as VR and AR with faster, more uniform data rates, lower latency, and lower cost-per-bit.

VR Cloud Gaming

Mission-critical communications

5G enables new services that can transform industries with ultra-reliable, available, low-latency links like self- driving cars and remote operation.

Self-Driving Cars Remote Operation

Massive IoT

5G can seamlessly connect a massive number of embedded sensors in virtually everything to provide extremely lean and low-cost connectivity solutions.

Logistics Smart Cities

Aginet Solution for ISPs

TP-Link's Aginet Solutions include TP-Link Aginet Unified Cloud (TAUC) Solution, Aginet ACS Solution, and Aginet Config Solution. ISPs now have a fully-functional and fully-featured Wi-Fi management platform that reduces operational costs, increases customer satisfaction, and is highly flexible.

Management System

TP-Link Aginet Unified Cloud (TAUC)
Manage Wi-Fi services for the connected home via the cloud.

Aginet ACS
One-stop TR-069 remote management platform.

Mobile Application

Aginet App
End users can set up, manage, and monitor their network with their phone or tablet.

Download on the App Store
GET IT ON Google Play

Configuration Tool

Aginet Config
An ISP tool to set your own default settings.

Network Protection

HomeShield
Enhance your home network security with a kit of tools.

TAUC

Wi-Fi Management Solution for ISPs

As the next-generation of Wi-Fi management, TAUC offers the TR-369 USP cloud server, carrier-grade TR-369 CPE, a customized mobile app, and tailor-made API services for our ISP customers to form the foundation of our TAUC solutions.

Challenges to ISPs

- Users change ISPs due to poor Wi-Fi experience
- ISPs pay higher OPEX operating expenses without proper diagnostic tools
- Users expect ISPs to solve all Wi-Fi issues
- ISPs pay higher OPEX operating expenses without appropriate insights

What can TAUC offer and solve?

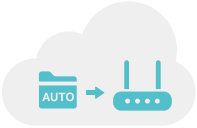
Industry Standards + Open Standard

Adopts TR-369 and TR-069 as the dual-stack management protocols and TR-181 for EasyMesh topology and advanced remote Wi-Fi diagnostics.

broadband forum · Wi-Fi Alliance · OPENAPI INITIATIVE

Zero-Touch Deployment

Plug and play with automatic provisioning and no on-site technical support.



Unified Cloud Management

100% centralized cloud management for Wi-Fi routers, xDSL modem routers, GPON router, and 4G/5G CPE—all controllable from a single interface from anywhere, anytime.

Instant Insights for Connected Homes

Provide overall online and offline monitoring dashboards and Key Wi-Fi KPI Alert monitoring dashboards for all network connections.

Advanced Wi-Fi Diagnostics for Troubleshooting

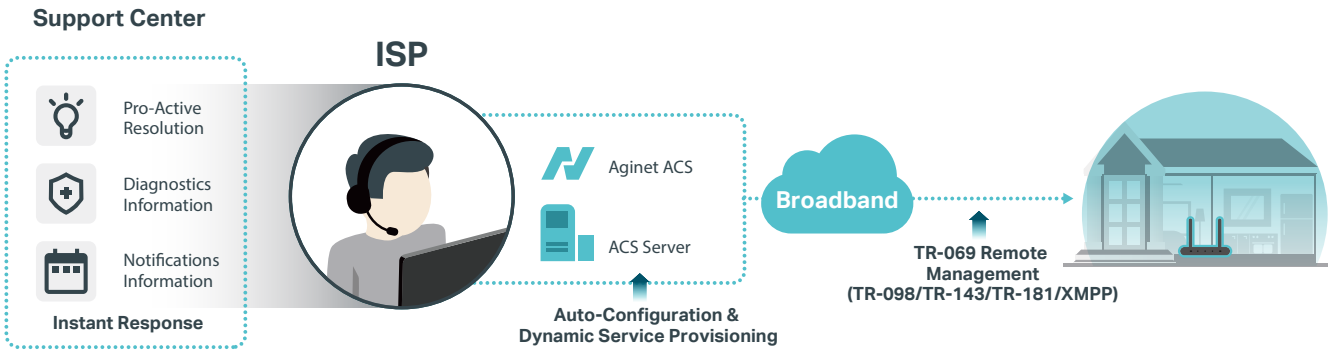
Live Mode can collect and generate multi-dimensional data of client connections in near real time. The Key Wi-Fi Metrics report can be downloaded for further offline analysis.

Agile Task — Cloud Service for Batch Updates

All tasks are performed from the TAUC cloud to the target CPE groups. Firmware upgrades and mass parameter settings can be performed at scheduled times.

Aginet ACS

Aginet ACS helps ISPs reduce on-site support by performing operations, diagnosis, and maintenance remotely, and facilitate extensive automation to reduce operation costs.



Challenges to ISPs

- High on-site maintenance costs
- No solid troubleshooting assistance
- No information of deployed devices at end-user sites
- Slow Wi-Fi speeds

Solution Benefits

- Remote management of deployed devices
- Real-time Wi-Fi condition diagnostic
- Reduce operating costs

Aginet ACS Essential Features

- Manage 100K CPEs
- TR-181 Support
- Wi-Fi 6 Menu Configuration
- Behind-NAT Management
- Neighboring AP Survey Visualization
- Remote Firmware Group Update
- Multi-Role Account
- Performance Test

*Aginet ACS default version is Normal version, it can be upgraded to Pro Version with Pro Feature License. It may not be available in some areas, for more information, please contact your local TP-Link team.

Aginet Config

Aginet Config can deploy ISP-customized config as the default for all devices. The configuration will stay when your customers restore their devices with the reset button, reducing your operational costs and maintenance fees.

Easy-to-Run Aginet Config

Step 1
Prepare a computer and a switch

Step 2
Download and install Aginet Config software

Step 3
Generate configuration files with ISP customized settings

Step 4
Import configuration files and the devices will be automatically configured in batches

Challenges to ISPs

- Devices need to be manually modified individually
- Difficult to upgrade all devices to the latest firmware at once
- Resets will erase ISP default configurations
- ISPs need to provide high-cost after-sales services

Solution Benefits

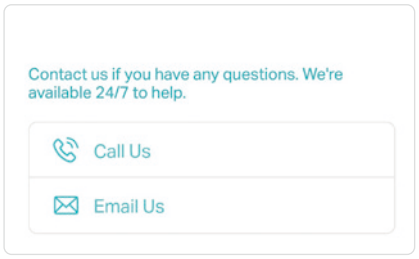
- **Customized Configuration**
  Change any setting on the management panel and make them a deployment model. You can even change the logo and favicon on the panel to achieve in-depth customization.
- **Batch Firmware Upgrade**
  ISPs can update the firmware for different models all at once --no specialized equipment required. Their clients can also enjoy the improved performance and features the new firmware provides.
- **Worry-Free Reset**
  Configurations made with Aginet Config will update the device factory configuration. When customers press the reset button, the device will keep the ISP configuration after the reset.
- **Centralized Flexibility**
  Aginet Config allows ISPs to batch configure individual settings like password and SSID for each device, meeting the needs for both efficiency and flexibility.

Aginet App

Benefits

Enhance ISP business value

ISP brand exposure
Display your ISP's brand logo front and center on the app.



After-sales service entrance
Guides end users straight to their ISP's technical support.

Improve end-user experience

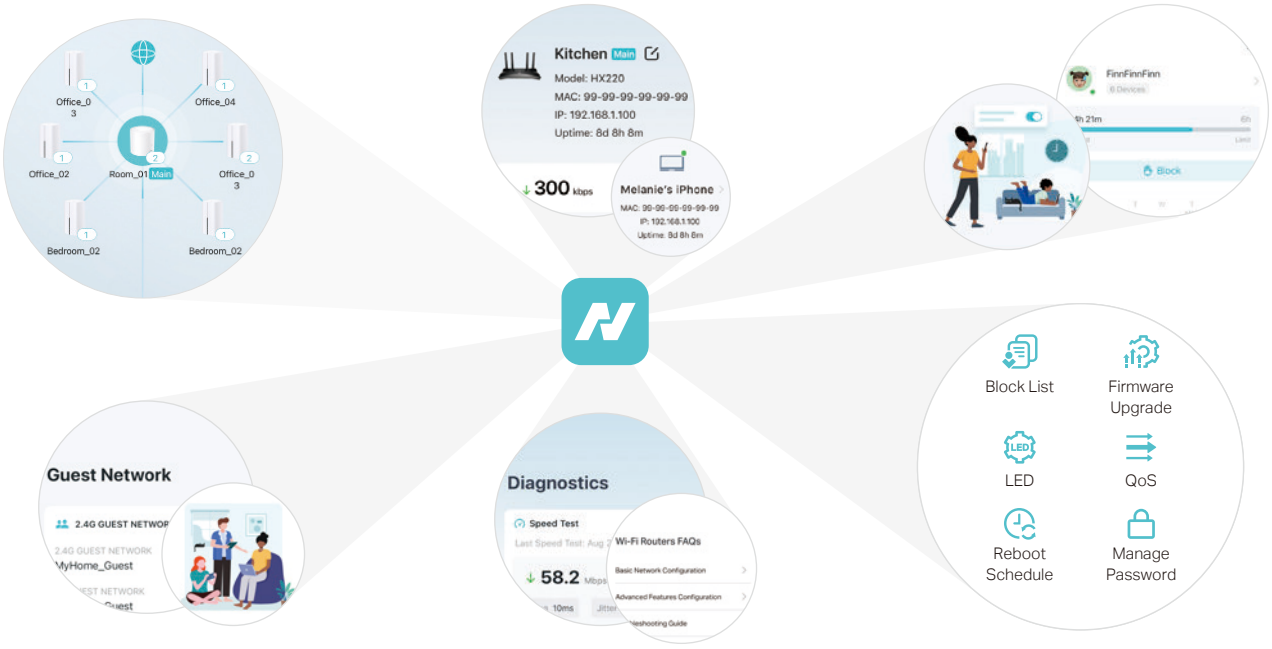
Wi-Fi management and visualization
End users can manage their Wi-Fi simply and intuitively.

Key Features

Management of network topology

Management of devices and clients

Parental Controls



Main network Wi-Fi + Guest network Wi-Fi management

Network Diagnostics and FAQ Instructions

Other common system functions such as QoS

Managed Products

Network security is always what we care about. With HomeShield, managing the family's internet has never been easier. Many potential risks can be controlled effectively (e.g. private info leakage or child internet addiction). With HomeShield security, safe Wi-Fi 7 internet experience brings more happiness to your smart living.

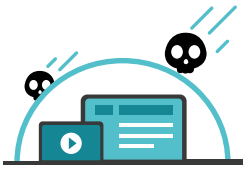
Network Protection

Real-Time IoT Protection

Protects your IoT and other connected devices from any cyber threats and attacks.

Malicious Site Blocker

Safeguards your family by intelligently preventing access to malicious URLs.



Intrusion Prevention

Identifies and blocks potential threats and fixes vulnerabilities in the network.

Robust Parental Controls

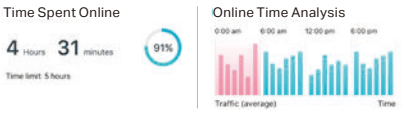
Age-level filters and online time limits provide families with personalized and appropriate internet access. With detailed reports of home networks, families can check the sites their children visit and see how much time they spend on each. This works great to keep children safe while they have fun online.

Content Filter

Filter and block content that may not be appropriate for your children to search for or read by setting keywords like, sex, violence, and drugs.

Bedtime

Ensure your family maintains healthy digital habits by setting a bedtime to limit internet for your family.

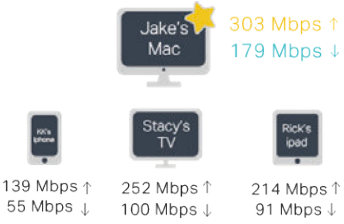


Time Rewards

Grant extra online time to your kids as rewards when necessary. Children can also apply for more time to spend online.

Quality of Service (QoS)

With QoS, assign bandwidth to the devices you use most to keep them running at their best.



Comprehensive Reports

Want to know the online behaviors of your family members or the security performance of your network? HomeShield helps you gain insight and better control of your home network with comprehensive Wi-Fi reports.

Wi-Fi Routers

TP-Link offers a comprehensive range of Wi-Fi routers, engineered for every networking need. For faster, stronger, and more reliable Wi-Fi, look no further than TP-Link.

TP-Link Wi-Fi routers provide reliable and secure networking for a fully connected home. With standard mesh technology, users can build their mesh network with great flexibility. App-based setup and helpful features for the whole family give users complete control.

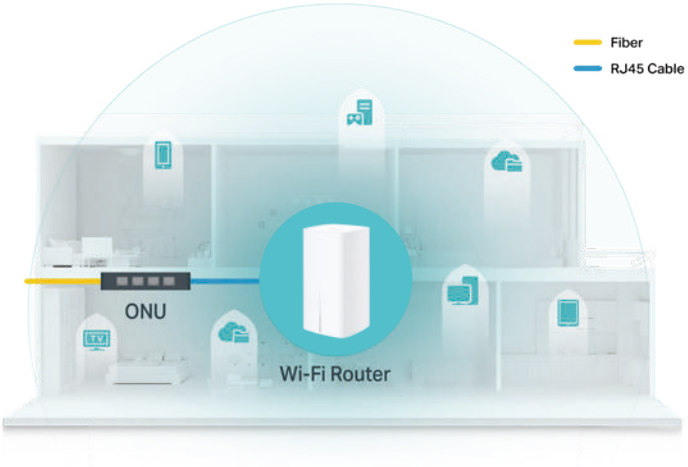
APPLICATION SCENARIO

Problem

- **Wi-Fi Dead Zones:** Wireless coverage is small and there are blind spots in wireless coverage.
- **Slow Connections:** Slow wireless connections for large file downloads and streaming.
- **Wireless Interference:** Household appliances cause wireless interference and network instability.

Solution

TP-Link routers can be deployed in FTTx networks, creating a stable and smooth Wi-Fi environment that supports even more devices and high-speed applications simultaneously.



FUNCTIONS

EasyMesh— Create Whole Home Seamless Network

Experience strong, stable, and seamless wireless connections throughout your home with EasyMesh.

Superfast Connections and Large Data Stream

Provide ultra-fast Wi-Fi speed in both the 2.4 GHz, 5 GHz, and 6 GHz bands, ensuring higher data transmissions and lower latency.

MU-MIMO and Beamforming for Better Performance

MU-MIMO: Serves multiple devices simultaneously to reduce wait time, increase Wi-Fi throughput for every device, and make each stream more efficient.
Beamforming: Detects the location of connected devices and concentrates the Wi-Fi signal towards them to create stronger connections.

Remote Management for ISPs

ISPs can remotely manage end-user devices through the TR-069 protocol, realizing batch firmware upgrades, real-time device status monitoring, and remote diagnosis and configuration of devices.

A Revolution in the Wi-Fi Experience

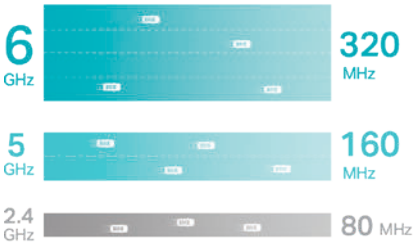
BE22000 Tri-Band Wi-Fi 7 Router

EB810v Wi-Fi 7

Dual 10G Speeds | Double Bandwidth | EasyMesh | Aginet App | Cloud Management

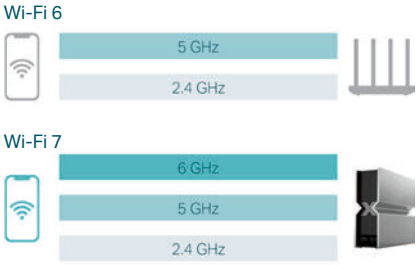
Wi-Fi 7: Faster Speeds, Lower Latency.

Wi-Fi 7 is the upcoming Wi-Fi standard. It utilizes the 2.4 GHz, 5 GHz, and 6 GHz frequency bands to deliver higher Wi-Fi speeds, lower latency, higher efficiency, and stronger anti-jamming.



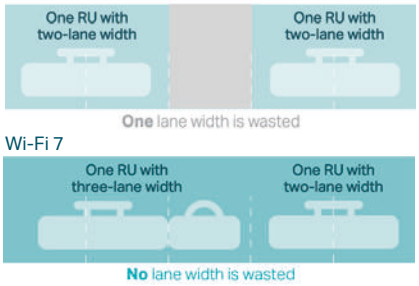
More Throughput

Up to 22000 Mbps Wi-Fi 7 allows for new 320 MHz bandwidth mode for 6 GHz, doubling throughput. 4K-QAM, and MLO further increase throughput.



Less Latency

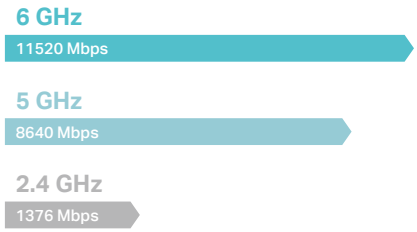
Multi-Link Operation (MLO) enables your network to simultaneously send and receive data over multiple radio bands to create a single aggregated connection, reducing latency and increasing anti-jamming.



Higher Efficiency

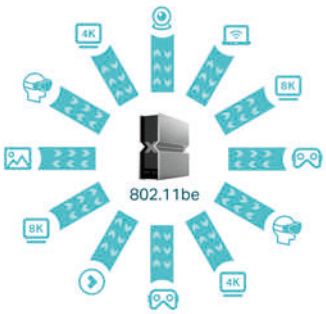
Multi-RU increases data transfer efficiency by introducing a more flexible way for Resource Unit (RU) allocation. Preamble Puncturing, MLO, and flexible bandwidth further increase efficiency.

Top-Notch Design Brings Ultra Connectivity



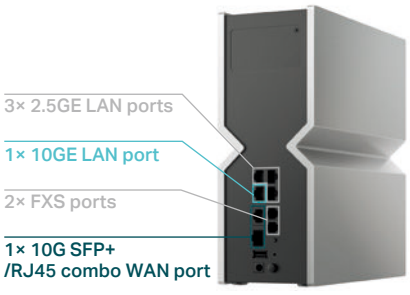
Tri-Band BE22000 Speeds for Multiple 8K

Stream multiple 8K videos with BE22000 tri-band Wi-Fi speeds. Boosted by 4096-QAM and HE320, EB810v delivers astonishing wireless speeds with ultra-wide bandwidth enabling multiple online media playing instantly.



12×12 MU-MIMO for More Capacity

EB810v supports up to 12 spatial streams. More devices and applications can run at peak performance without congestion and waiting. The internet resources are allocated more efficiently while improving Wi-Fi experience.



Multi-Gig Internet Connection and VoIP Calls

EB810v is equipped with a 10G SFP+/RJ45 combo WAN port, a 10G LAN port, and three 2.5G LAN ports, ensuring maximum flexibility and boosted throughput. With two phone ports and various call features, user can also enjoy high quality phone calls over the internet.

Note: Products are being developed. Actual product images and features may vary.

Create New Possibilities

BE11000 Tri-Band Wi-Fi 7 Router

EB610v Wi-Fi 7

EB610v

BE11000 Tri-Band Wi-Fi 7 Router

BE11000 Tri-Band Wi-Fi

5760 Mbps (6 GHz) + 4320 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Multi-Gig Ports

1× 2.5GE WAN port + 3× 2.5GE LAN ports

VoIP Calls

2× FXS ports

Lightning-Fast Media Sharing

1× USB 3.0 port

Enhanced Security

TP-Link HomeShield

- **Wi-Fi 7 Technology -** Enjoy extreme Wi-Fi performance in network speed, efficiency, and capacity with 4K-QAM, OFDMA, and Multi-Link Operation (MLO).
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

Note: Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

Faster Speed. Higher Capacity. More Efficiency.

AXE7800 Tri-Band Wi-Fi 6E Router

EX920

EasyMesh | MU-MIMO | WPA3 | Aginet App | Cloud Management

EX920

AXE7800 Tri-Band Wi-Fi 6E Router

AXE7800 Tri-Band Wi-Fi
2402 Mbps (6 GHz) + 4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN port + 1× 2.5GE LAN port + 2× GE ports

Lightning-Fast Media Sharing
1× USB 3.0 port

Enhanced Security
TP-Link HomeShield

EX710 Pro

AX5400 Dual-Band Wi-Fi 6 Router

AX5400 Dual-Band Wi-Fi
4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN port + 4× GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

Enhanced Security
TP-Link HomeShield

EX710

AX5400 Dual-Band Wi-Fi 6 Router

AX5400 Dual-Band Wi-Fi
4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port + 4× GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

Enhanced Security
TP-Link HomeShield

- **Wi-Fi 6 Technology -** Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM, OFDMA, and HE160.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

The HomeShield feature is being developed, it may be available by software update on some models.

Next-Wave Wi-Fi 6 for Home Connectivity

AX6000 Dual-Band Wi-Fi 6 VoIP Router

EX820v

EasyMesh | MU-MIMO | VoIP Calls | Aginet App | Cloud Management

EX820v

AX6000 Dual-Band Wi-Fi 6 VoIP Router

AX6000 Dual-Band Wi-Fi
4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN port + 1× 2.5GE LAN port + 3× GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

VoIP Calls
2× FXS ports

Enhanced Security
TP-Link HomeShield

EX530v

AX3000 Dual-Band Wi-Fi 6 VoIP Router

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port + 3× GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

VoIP Calls
1× FXS port

EX230v

AX1800 Dual-Band Wi-Fi 6 VoIP Router

AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port + 3× GE LAN ports

Easy Sharing
1× USB 2.0 port

VoIP Calls
1× FXS port

- **Wi-Fi 6 Technology -** Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM, OFDMA, and HE160/HE80.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

The HomeShield feature is being developed, it may be available by software update on some models.

Explore the New Era of Wi-Fi

AX1800 Dual-Band Wi-Fi 6 Router

EX220

EasyMesh | MU-MIMO | Aginet App | Cloud Management

EX510 Pro

AX3000 Dual-Band Wi-Fi 6 Router

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN port +
4× GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

Enhanced Security
TP-Link HomeShield

EX510

AX3000 Dual-Band Wi-Fi 6 Router

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port +
4× GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

Enhanced Security
TP-Link HomeShield

EX511

AX3000 Dual-Band Wi-Fi 6 Router

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port +
4× GE LAN ports

EX220

AX1800 Dual-Band Wi-Fi 6 Router

AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port +
4× GE LAN ports

- **Wi-Fi 6 Technology -** Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM, OFDMA, and HE160/HE80.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

The HomeShield feature is being developed, it may be available by software update on some models.

High-Speed Dual-Band Wi-Fi for Better Connectivity

AC1300 MU-MIMO Wi-Fi Router

EC225-G5

EasyMesh | MU-MIMO | Aginet App | Remote Management

EC225-G5

AC1300 MU-MIMO Wi-Fi Router

AC1300 Dual-Band Wi-Fi
867 Mbps (5 GHz) +
400 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port +
3× GE LAN ports

Improved Security
WPA3 encryption

EC223-G5

AC1200 MU-MIMO Wi-Fi Router

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) +
300 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port +
3× GE LAN ports

Improved Security
WPA3 encryption

EC220-G5

AC1200 Wireless Dual Band Gigabit Router

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) +
300 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN port +
3× GE LAN ports

- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-111, and TR-143 are supported.

Wi-Fi 5 Routers

EC220-F5

AC1200 Wireless Dual-Band Router

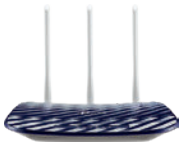
AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)

Fast Connectivity
1× 10/100 Mbps WAN port + 4× 10/100 Mbps LAN ports

Far-Reaching Range
4× high-gain external antennas

Easy Setup
TP-Link Tether app supported

Remote Management
TR-069 (TR-098) supported



EC120-F5

AC750 Wireless Dual-Band Router

AC750 Dual-Band Wi-Fi
433 Mbps (5 GHz) + 300 Mbps (2.4 GHz)

Fast Connectivity
1× 10/100 Mbps WAN port + 4× 10/100 Mbps LAN ports

Far-Reaching Range
3× high-gain external antennas

Easy Setup
TP-Link Tether app supported

Remote Management
TR-069 (TR-098) supported

Wi-Fi 4 Routers

EN020-F5

300 Mbps Wireless N Router

N300 Wi-Fi
300 Mbps (2.4 GHz)

Fast Connectivity
1× 10/100 Mbps WAN port + 4× 10/100 Mbps LAN ports

Far-Reaching Range
2× high-gain external antennas

Remote Management
TR-069 (TR-098) supported

TL-WR850N

300 Mbps Wireless N Router

N300 Wi-Fi
300 Mbps (2.4 GHz)

Fast Connectivity
1× 10/100 Mbps WAN port + 4× 10/100 Mbps LAN ports

Far-Reaching Range
2× high-gain external antennas

Remote Management
TR-069 (TR-098) supported

Which is the right Wi-Fi 7 wireless router for you?

	Tri-Band	
		
Model	EB810v	EB610v
Wi-Fi Class	BE22000	BE11000
Wi-Fi (6 GHz)	11520 Mbps	5760 Mbps
Wi-Fi (5 GHz)	8640 Mbps	4320 Mbps
Wi-Fi (2.4 GHz)	1376 Mbps	574 Mbps
CPU	2.2 GHz Quad-Core	1.5 GHz Quad-Core
Ethernet WAN Port	1× 10GE/SFP+ Combo	1× 2.5GE
Ethernet LAN Ports	1× 10GE + 3× 2.5GE	3× 2.5GE
FXS Port	2× FXS	2× FXS
USB Port	1× USB 3.0	1× USB 3.0
320 MHz Channel	•	•
OFDMA	•	•
4K-QAM	•	•
Multi RU	•	•
MU-MIMO	•	•
Beamforming	•	•
Airtime Fairness	•	•
Parental Controls	•	•
QoS	•	•
Band Steering	•	•
AP Mode	•	•
EasyMesh	•	•
Multi-SSID	•	•
IPTV	•	•
IPv6	•	•
VPN Server	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec
Remote Management	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143
HomeShield	•	•
Aginet App	•	•
TAUC	•	•
Aginet ACS	•	•
Aginet Config	•	•

Note: Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

Which is the right Wi-Fi 6 wireless router for you?

	Tri-Band	Dual-Band								
										
Model	EX920	EX820v	EX710 Pro	EX710	EX510 Pro	EX530v	EX510	EX511	EX230v	EX220
Wi-Fi Class	AXE7800	AX6000	AX5400	AX5400	AX3000	AX3000	AX3000	AX3000	AX1800	AX1800
Wi-Fi (6 GHz)	2402 Mbps	-	-	-	-	-	-	-	-	-
Wi-Fi (5 GHz)	4804 Mbps	4804 Mbps	4804 Mbps	4804 Mbps	2402 Mbps	2402 Mbps	2402 Mbps	2402 Mbps	1201 Mbps	1201 Mbps
Wi-Fi (2.4 GHz)	574 Mbps	1148 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps
CPU	2.0 GHz Quad-Core	2.0 GHz Quad-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	900 MHz Du-al-Core	880 MHz Du-al-Core
Ethernet WAN Port	1× 2.5GE	1× 2.5GE	1× 2.5GE	1× GE	1× 2.5GE	1× GE	1× GE	1× GE	1× GE	1× GE
Ethernet LAN Ports	1× 2.5GE + 2× GE	1× 2.5GE + 3× GE	4× GE	4× GE	4× GE	3× GE	4× GE	4× GE	3× GE	4× GE
FXS Port	-	2× FXS	-	-	-	1× FXS	-	-	1× FXS	-
USB Port	1× USB 3.0	1× USB 3.0	1× USB 3.0	1× USB 3.0	1× USB 3.0	1× USB 3.0	1× USB 3.0	-	1× USB 2.0	-
160 MHz Channel	•	•	•	•	•	•	•	•	-	-
OFDMA	•	•	•	•	•	•	•	•	•	•
1024 QAM	•	•	•	•	•	•	•	•	•	•
MU-MIMO	•	•	•	•	•	•	•	•	•	•
Beamforming	•	•	•	•	•	•	•	•	•	•
Airtime Fairness	•	•	•	•	•	•	•	•	•	•
Parental Control	•	•	•	•	•	•	•	•	•	•
QoS	•	•	•	•	•	•	•	•	•	•
Band Steering	•	•	•	•	•	•	•	•	•	•
AP Mode	•	-	•	•	•	-	•	•	-	•
EasyMesh	•	•	•	•	•	•	•	•	•	•
Multi-SSID	•	•	•	•	•	•	•	•	•	•
IPTV	•	•	•	•	•	•	•	•	•	•
IPv6	•	•	•	•	•	•	•	•	•	•
VPN Server	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec
Remote Management	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143	TR-369/069/098/181/111/143
HomeShield	•	•	•	•	•	-	•	-	-	-
Aginet App	•	•	•	•	•	•	•	•	•	•
TAUC	•	•	•	•	•	•	•	•	•	•
Aginet ACS	•	•	•	•	•	•	•	•	•	•
Aginet Config	•	•	•	•	•	•	•	•	•	•

The HomeShield feature is being developed, it may be available by software update on some models.

Which is the right wireless router for you?

	Dual-Band					Single-Band	
							
Model	EC225-G5	EC223-G5	EC220-G5	EC220-F5	EC120-F5	EN020-F5	TL-WR850N
Wi-Fi Class	AC1300	AC1200	AC1200	AC1200	AC750	N300	N300
Wi-Fi (5GHz)	867 Mbps	867 Mbps	867 Mbps	867 Mbps	433 Mbps	-	-
Wi-Fi (2.4GHz)	400 Mbps	300 Mbps	300 Mbps	300 Mbps	300 Mbps	300 Mbps	300 Mbps
CPU	1.25 GHz	880MHz Dual-Core	580 MHz	580 MHz	580 MHz	580 MHz	580 MHz
Ethernet WAN Port	1× GE	1× GE	1× GE	1× FE	1× FE	1× FE	1× FE
Ethernet LAN Ports	3× GE	3× GE	3× GE	4× FE	4× FE	4× FE	4× FE
Antenna	4× External	4× External	4× External	4× External	3× External	2× External	2× External
MU-MIMO	•	•	•	•	-	-	-
Beamforming	•	•	•	•	-	-	-
Airtime Fairness	•	•	•	•	•	-	-
Parental Controls	•	•	•	•	•	•	•
QoS	•	•	•	•	•	•	•
Band Steering	•	•	•	•	•	-	-
AP Mode	•	•	•	•	•	•	•
RE Mode	-	-	-	•	•	•	•
EasyMesh	•	•	•	-	-	-	-
Multi-SSID	-	•	-	•	•	•	•
IPTV	•	•	•	•	•	•	•
IPv6	•	•	•	•	•	•	•
VPN Server	-	PPTP, OpenVPN, IPSec	-	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	-	-
Remote Management	TR-069/098/181/111/143	TR-069/098/181/111/143	TR-069/098/181/111/143	TR-069/098	TR-069/098	TR-069/098	TR-069/098
Aginet App	•	•	•	-	-	-	-
TAUC	-	-	-	-	-	-	-
Aginet ACS	•	•	•	•	•	•	•
Aginet Config	•	•	•	•	•	•	•

Mesh Wi-Fi Systems

TP-Link's Whole Home Mesh Wi-Fi Systems use multiple devices to provide end users a seamless, intelligent, and easy-to-configure mesh network that covers the entire home. Several units work together to ensure a strong Wi-Fi signal to every corner.

Users' devices automatically connect to the fastest Wi-Fi band and stay safe thanks to comprehensive network security. Setup and management are simple with an easy-to-use mobile app. Each system can also be remotely managed via TR-069/TR-369. This helps ISPs improve the management efficiency and reduce after-sales service costs.

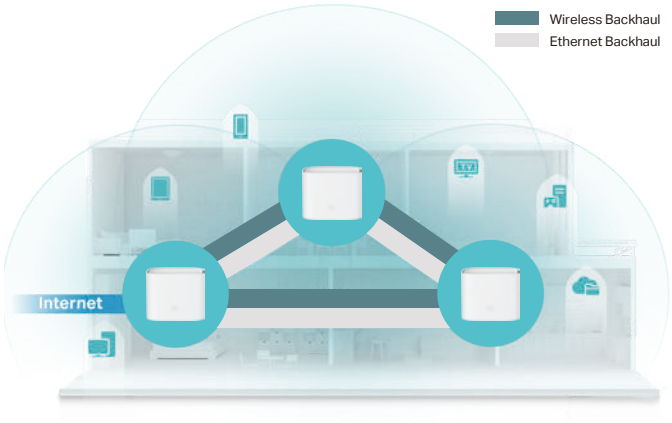
APPLICATION SCENARIO

Problem

Weak or Incomplete Wi-Fi Coverage: Wireless coverage is small and there are blind spots in wireless coverage.
Complicated Setup and Management: Internet setup and network configuration are complicated. The clients and network setting are difficult to manage and control.

Solution

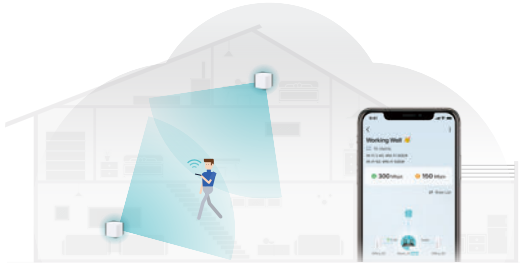
TP-Link provides a whole home mesh Wi-Fi solution to eliminate Wi-Fi dead zones and ensure an uninterrupted Wi-Fi throughout homes. Mesh Wi-Fi is a great option for people who are interested in a powerful Wi-Fi system with easy setup. People looking for improved coverage that doesn't require switching between networks as they move upstairs or downstairs would also benefit from mesh Wi-Fi.



FUNCTIONS

The True Mesh Experience

One Network, One Name: A mesh Wi-Fi system allows users to sign into their network with just one network name and one password.
Seamless Roaming: Seamless roaming keeps users connected to their network no matter where they go in their homes. Switching from one mesh node to another is so smooth that it's unnoticeable.
Self-Healing: In the event one Wi-Fi mesh node goes down, the mesh Wi-Fi network will automatically reroute data to ensure connections.



Wi-Fi Made Easy

Hands-Off: A mesh Wi-Fi system adjusts automatically to provide the best connections when users add devices or walk around their homes.
Easy Setup and Management: Setup takes only minutes through the app or WebGUI. In just a few taps, users can monitor and manage their Wi-Fi settings at home or away with the Aginet app.

Home Mesh Wi-Fi Security

Hardware Security: Aginet constantly improves and becomes more secure with automatic firmware updates. Its firewall only allows approved packets onto devices .
Advanced Encryption: The mesh system automatically encrypts every wireless connection using WPA2 or WPA3 encryption.

Remote Management for ISPs

ISPs can remotely manage end-user devices through the TR-069 protocol, realizing batch firmware upgrades, real-time device status monitoring, and remote diagnosis and configuration of devices.

Super Mesh Wi-Fi Powered by Wi-Fi 7

BE22000 Whole Home Mesh Wi-Fi 7 System

HB810 Wi-Fi 7

Dual 10G Speeds | Double Bandwidth | EasyMesh | Aginet App | Cloud Management

HB810

BE22000 Whole Home Mesh Wi-Fi 7 System

BE22000 Tri-Band Wi-Fi
11520 Mbps (6 GHz) + 8640 Mbps (5 GHz) + 1376 Mbps (2.4 GHz)

Multi-Gig Ports
1× 10GE WAN/LAN port + 1× 10GE LAN port +
2× 2.5GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

HB610

BE11000 Whole Home Mesh Wi-Fi 7 System

BE11000 Tri-Band Wi-Fi
5760 Mbps (6 GHz) + 4320 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN/LAN port + 3× 2.5GE LAN ports

Lightning-Fast Media Sharing
1× USB 3.0 port

- **Wi-Fi 7 Technology -** Enjoy extreme Wi-Fi performance in network speed, efficiency, and capacity with 4K-QAM, OFDMA, and Multi-Link Operation (MLO).
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Seamless Roaming -** All units work together to form a unified network.
- **Ethernet Backhaul -** Wired backhaul ensures stable seamless coverage to every corner of a home.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

Note: Products are being developed. Actual product images and features may vary.

Connect to a New Frontier

AXE5400 Tri-Band Whole Home Mesh Wi-Fi 6E System

HX716 Pro

Extended into 6GHz Wi-Fi 6E

EasyMesh | MU-MIMO | Whole Home Coverage | Aginet App | Cloud Management

HX716 Pro*

AXE5400 Tri-Band Whole Home Mesh Wi-Fi 6E System

AXE5400 Tri-Band Wi-Fi
2402 Mbps (6 GHz) +
2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN/LAN port +
2× GE LAN ports

HX710 Pro

AX5400 Whole Home Mesh Wi-Fi 6 System

AX5400 Dual-Band Wi-Fi
4804 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN/LAN port +
2× GE LAN ports

HX710

AX5400 Whole Home Mesh Wi-Fi 6 System

AX5400 Dual-Band Wi-Fi
4804 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN/LAN port +
1× GE LAN ports

- **Wi-Fi 6 Technology -** Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM, OFDMA, and HE160.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Seamless Roaming -** All units work together to form a unified network.
- **Ethernet Backhaul -** Wired backhaul make sure a stable seamless coverage to every corner of a home.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

*Products are being developed. Actual product images and features may vary.

Fast. Stable. Everywhere

AX3000 Whole Home Mesh Wi-Fi 6 System

HX510

EasyMesh | MU-MIMO | Whole Home Coverage | Aginet App | Cloud Management

HX510

AX3000 Whole Home Mesh Wi-Fi 6 System

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

1024-QAM and HE160
Fast wireless Wi-Fi 6 speed

Full Gigabit Ports
1× GE WAN/LAN port +
2× GE LAN ports

HX220

AX1800 Whole Home Mesh Wi-Fi 6 System

AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

1024-QAM and HE80
Fast wireless Wi-Fi 6 speed

Full Gigabit Ports
1× GE WAN/LAN port +
2× GE LAN ports

HC220-G5

AC1200 Whole Home Mesh Wi-Fi System

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) +
300 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN/LAN port +
2× GE LAN ports

- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Seamless Roaming -** All units work together to form a unified network.
- **Ethernet Backhaul -** Wired backhaul ensures stable seamless coverage to every corner of a home.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

Which is the right mesh Wi-Fi system for you?

	Tri-Band			Dual-Band				
								
Model	HB810*	HB610*	HX716 Pro*	HX710 Pro	HX710	HX510	HX220	HC220-G5
Wi-Fi Class	BE22000	BE11000	AXE5400	AX5400	AX5400	AX3000	AX1800	AC1200
Wi-Fi (6 GHz)	11520 Mbps	5760 Mbps	2402 Mbps	-	-	-	-	-
Wi-Fi (5 GHz)	8640 Mbps	4320 Mbps	2402 Mbps	4804 Mbps	4804 Mbps	1201 Mbps	1201 Mbps	867 Mbps
Wi-Fi (2.4 GHz)	1376 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	574 Mbps	300 Mbps
CPU	2.2 GHz Quad-Core	1.5 GHz Quad-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	1.0 GHz Dual-Core	880 MHz Dual-Core	880 MHz Dual-Core
Ethernet WAN/LAN Port	1× 10GE	1× 2.5GE	1× 2.5GE	1× 2.5GE	1× GE	1× GE	1× GE	1× GE
Ethernet LAN Ports	1× 10GE + 2× 2.5GE	3× 2.5GE	2× GE	2× GE	1× GE	2× GE	2× GE	2× GE
320 MHz Channel	•	•	-	-	-	-	-	-
160 MHz Channel	•	•	•	•	•	•	-	-
OFDMA	•	•	•	•	•	•	•	-
4K-QAM	•	•	-	-	-	-	-	-
1024-QAM	-	-	•	•	•	•	•	-
Multi RU	•	•	-	-	-	-	-	-
MLO	•	•	-	-	-	-	-	-
MU-MIMO	•	•	•	•	•	•	•	•
Beamforming	•	•	•	•	•	•	•	•
Seamless Roaming	•	•	•	•	•	•	•	•
Ethernet Backhaul	•	•	•	•	•	•	•	•
Airtime Fairness	•	•	•	•	•	•	•	•
Parental Controls	•	•	•	•	•	•	•	•
QoS	•	•	•	•	•	•	•	•
Band Steering	•	•	•	•	•	•	•	•
AP Mode	•	•	•	•	•	•	•	•
EasyMesh	•	•	•	•	•	•	•	•
Multi-SSID	•	•	•	•	•	•	•	•
IPTV	•	•	•	•	•	•	•	•
IPv6	•	•	•	•	•	•	•	•
VPN Server	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec	PPTP, OpenVPN, IPSec
Remote Management	TR-369/069/181/111/143	TR-369/069/181/111/143	TR-369/069/181/111/143	TR-369/069/181/111/143	TR-369/069/181/111/143	TR-369/069/181/111/143	TR-369/069/181/111/143	TR-369/069/181/111/143
Aginet App	•	•	•	•	•	•	•	•
TAUC	•	•	•	•	•	•	•	•
Aginet ACS	•	•	•	•	•	•	•	•
Aginet Config	•	•	•	•	•	•	•	•

*Products are being developed. Actual product images and features may vary.

Fiber OLTs/ONTs

TP-Link's fiber solution delivers multiple services through a single optical fiber connection to support popular triple-play services. Advanced technologies bring a combination of broadband internet, HDTV, VoIP, and online gaming straight to subscribers.

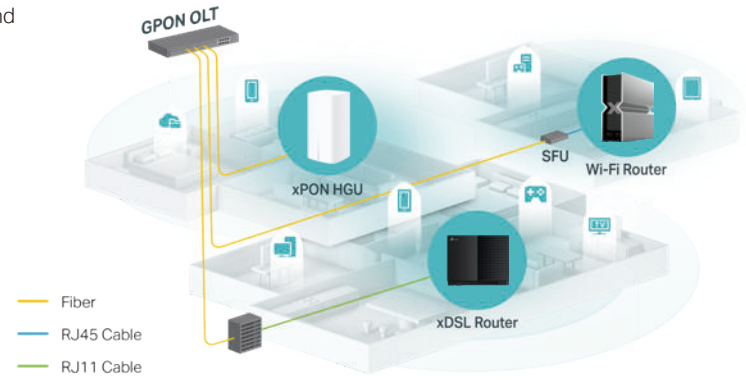
APPLICATION SCENARIO

Problem

Traditional copper access offers little in terms of restorability and upgradability, all at a higher cost.

Solution

TP-Link's fiber access solution combines the low attenuation of high frequencies with low noise. This enables long-distance transmissions and is economical for end users.



FUNCTIONS

Multi-Application Scenario

Enables easy file and media sharing with networked devices. With FXS ports, users can make or receive phone calls over the internet simply by connecting the devices to their existing telephone set.

Superfast, Stable Connections

Provide ultra-fast Wi-Fi speed in both the 2.4 GHz, 5 GHz, and 6 GHz bands. Also, with XGS-PON and multi-gigabit LAN ports, speeds reach up to 10× faster than standard Ethernet connections.

Smooth IPTV Connections

Supports VLAN 802.11q and IGMP to enable smooth network connections for IPTV and other services.

Remote Management for ISPs

ISPs can remotely manage end-user devices through the TR-069 protocol, realizing batch firmware upgrades, real-time device status monitoring, and remote diagnosis and configuration of devices.

GPON OLTs

A Flexible ISP Solution with Carrier-Class Reliability

When looking for a compact and flexible solution, TP-Link DeltaStream GPON OLT provides support for various management tools that suits all service providers. The built-in redundancy of dual power supplies provides carrier-class reliability and easy maintenance.

1:128 Split Ratio for High Capacity

1:128 split ratio for every port supports up to 2048, 1024, and 512 ONTs for every DS-P7001-16, DS-P7001-08, and DS-P7001-04.

Dual Power Supplies

Enjoy carrier-class reliability with redundant power supplies supporting AC, DC, or mixed power input.

Free Centralized Management

Simplifies maintenance with remote batch configuration and updates. Centrally manage everything with the DeltaStream PON Management System (DPMS), SNMP, CLI, and WEB UI.

Compact Size for Flexible Deployment

19-inch rack mount is flexible and easy to deploy.

DS-P7001-16

DeltaStream 16-Port Pizza-box GPON Optical Line Terminal

- Centrally manage via the DeltaStream PON management system
- 16× GPON ports
- Supports 1:128 splitting ratio for every port—up to 2048 ONTs with one device
- 4× 10GE SFP+ and 2× GE RJ45 uplink ports
- 1× Console and 1× Management port for out-of-brand management
- Dual Hot-Swap AC, DC, or mixed power supplies
- 17.3 × 16.8 × 1.7 in (440 × 427 × 44 mm)
- Rack-Mountable

DS-P7001-08

DeltaStream 8-Port Pizza-box GPON Optical Line Terminal

- Centrally manage via the DeltaStream PON management system
- 8× GPON ports
- Supports 1:128 splitting ratio for every port—up to 1024 ONTs with one device
- 2× 10GE SFP+ and 1× GE RJ45 uplink ports
- 1× Console and 1× Management port for out-of-brand management
- Dual Hot-Swap AC, DC, or mixed power supplies
- 17.3 × 10.2 × 1.7 in (440 × 260 × 44 mm)
- Rack-Mountable

DS-P7001-04

DeltaStream 4-Port Pizza-box GPON Optical Line Terminal

- Centrally manage via the DeltaStream PON management system
- 4× GPON Ports
- Supports 1:128 splitting ratio for every port—up to 512 ONTs with one device
- 1× 10G SFP+ and 1× GE RJ45 uplink ports
- 1× Console and 1× Management port for out-of-brand management
- Dual built-in AC+DC power supplies
- 17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm)
- Rack-Mountable

GPON Features

- 1:128 Splitting Ratio for Each PON Port
- Standard OMCI Management Supported
- Uplink and Downlink Data Encryption
- Rogue ONU Detection and Isolation
- ONU Auto Authentication
- Multi-Service Traffic Identify and Rate Limit

L2 and L2+ Features

- Static Routing
- IGMP Snooping/MLD Snooping
- 802.1Q/MAC/Protocol VLAN
- STP/RSTP/MSTP
- Link Aggregation Group (LAG)
- Port Isolation
- DHCP Relay
- IEEE 802.1p/DSCP QoS

Security Strategies

- ACL (IPv4/IPv6)
- IP-MAC-Port-VID Bindling
- ARP Inspection
- IP Source Guard
- 802.1x Authentication
- DoS Defend

Centralized Management

- ACL (IPv4/IPv6)
- IP-MAC-Port-VID Bindling
- ARP Inspection
- IP Source Guard
- 802.1x Authentication
- DoS Defend

XGS-PON Wi-Fi 7 Router & SFU

Leading Technology for Multi-Gigabit Internet Services

BE22000 Tri-Band XGS-PON VoIP Router

XGB830v Wi-Fi 7

10G Wired Speed | EasyMesh | Double Bandwidth | Aginet App | Cloud Management

XGB830v*

BE22000 Tri-Band XGS-PON VoIP Router

BE22000 Tri-Band Wi-Fi
11520 Mbps (6 GHz) +
8640 Mbps (5 GHz) +
1376 Mbps (2.4 GHz)

Multi-Gig Ports
1× 10GE WAN/LAN port +
4× 2.5GE LAN ports

VoIP Calls
2× FXS ports

XGB630v*

BE11000 Tri-Band XGS-PON VoIP Router

BE11000 Tri-Band Wi-Fi
5760 Mbps (6 GHz) +
4320 Mbps (5 GHz) +
574 Mbps (2.4 GHz)

Multi-Gig Ports
1× 10GE WAN/LAN port +
4× 2.5GE LAN ports

VoIP Calls
2× FXS ports

- **Wi-Fi 7 Technology -** Enjoy extreme Wi-Fi performance in network speed, efficiency and capacity with 4K-QAM, OFDMA, and Multi-Link Operation (MLO).
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

XGZ030v

1-Port XGS-PON Terminal with VoIP

10G Wired Performance
XGS-PON WAN port + 10G LAN port

Bridge Mode
High-speed transparent transmission

BOSA on Board Design
Support SC/APC port

VoIP Calls
1× FXS port

Remote Management
Supports OMCI

XGZ030

1-Port XGS-PON Terminal

10G Wired Performance
XGS-PON WAN port + 10G LAN port

Bridge Mode
High-speed transparent transmission

BOSA on Board Design
Support SC/APC port

Remote Management
Supports OMCI

*Products are being developed. Actual product images and features may vary.

Advanced Technology. Combined Network.

AX6000 Dual-Band Wi-Fi 6 GPON VoIP Router

XX800v

EasyMesh | MU-MIMO | HD Quality Telephony | Aginet App | Cloud Management

Blazing-Fast Speed

New technologies that come with 802.11ax, such as 1024-QAM and Long OFDM Symbol boosts wireless speeds up to 1148 Mbps on the 2.4 GHz band and 4804 Mbps on the 5 GHz band.

5 GHz

1733 Mbps
4 Stream 802.11ac

4804 Mbps **2.7X** Faster Speed
4 Stream 802.11ax

2.4 GHz

600 Mbps
4 Stream 802.11n

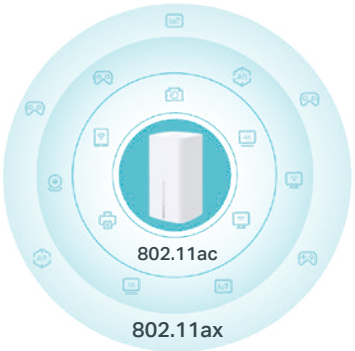
1148 Mbps **1.9X** Faster Speed
4 Stream 802.11ax

Extensive Wi-Fi Coverage

Beamforming technology and four high-gain antennas combine to adapt Wi-Fi coverage to perfectly fit a home and concentrate signal strength towards every device.

Connect Numerous Devices

With OFDMA and MU-MIMO technology, XX800v provides up to 4× higher capacity and throughput compared to standard AC routers in dense usage environments, greatly increasing the number of connected devices.



2.5G Wired Speeds and More

XX800v is equipped with a 2.5GE WAN/LAN, three GE LAN ports, and one USB 3.0 ports, offering great flexibility and boosting your data transfer speeds for peak performance. Additionally, the USB port supports 3G/4G dongle connections to always stay online.

EasyMesh Compatible

Create a standard mesh network with great flexibility.

VoIP Calls

Make or receive phone calls over the internet simply by connecting the device to an existing telephone set.

Remote Management

OMCI, TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC are supported.

Superior GPON for Whole Home Networking

AX3000 Dual-Band Wi-Fi 6 GPON Router

XX530v

EasyMesh | MU-MIMO | VoIP Calls | Aginet App | Cloud Management

XX530v

AX3000 Dual-Band Wi-Fi 6 GPON Router

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN/LAN + 3× GE LAN ports

Easy Sharing
1× USB 2.0 port

VoIP Calls
1× FXS port

XX230v

AX1800 Dual-Band Wi-Fi 6 GPON Router

AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN/LAN + 3× GE LAN ports

Easy Sharing
1× USB 2.0 port

VoIP Calls
1× FXS port

- **Wi-Fi 6 Technology -** Deliver fast Wi-Fi speeds and higher capacity with 1024-QAM, and OFDMA.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **Band Steering -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** OMCI, TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

xPON Wi-Fi 5/4 Routers

XC220-G3v V2

AC1200 Wireless VoIP XPON Router

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) +
300 Mbps (2.4 GHz)

Full Gigabit Ports
4× GE LAN ports

EasyMesh Compatible
Standard mesh technology

VoIP Calls
1× FXS port

- **Remote Management -** OMCI, TR-069 (TR-098/TR-181), TR-111, and TR-143 are supported.
- **XPON Support -** Compatible with GPON and EPON internet connection.

XN020-G3v

300 Mbps Wireless N Gigabit VoIP GPON Router

N300 Wi-Fi
300 Mbps (2.4 GHz)

High-Speed Wired Access
1× GE LAN port + 1× FE LAN port

VoIP Calls
1× FXS port

XN020-G3

300 Mbps Wireless N Gigabit XPON Router

N300 Wi-Fi
300 Mbps (2.4 GHz)

High-Speed Wired Access
1× GE LAN port

XPON Support
GPON + EPON dual mode

- **Remote Management -** OMCI and TR-069 (TR-098) are supported.

xPON SFU

XZ005-G6v

1-Port 2.5GE LAN XPON Terminal with VoIP

2.5G Wired Speed
1× 2.5GE LAN port

XPON Support
GPON + EPON dual mode

VoIP Calls
1× FXS port

XZ005-G6

1-Port 2.5GE LAN XPON Terminal

2.5G Wired Speed
1× 2.5GE LAN port

XPON Support
GPON + EPON dual mode

XZ000-G6v

1-Port Gigabit XPON Terminal with VoIP

Gigabit Port
1× GE LAN port

XPON Support
GPON + EPON

VoIP Calls
1× FXS port

XZ000-G7

1-Port Gigabit XPON Terminal

Gigabit Port
1× GE LAN port

XPON Support
GPON + EPON dual mode

XZ000-G3

1-Port Gigabit GPON Terminal

Gigabit Port
1× GE LAN port

- **High-Speed GPON Service -** 2.488 Gbps downstream and 1.244 Gbps upstream fast speeds.
- **Remote Management -** Support OMCI for centralized management.

Which is the PON HGU router for you?

	Tri-Band		Dual-Band				Single-Band	
								
Model	XGB830v*	XGB630v*	XX800v	XX530v	XX230v	XC220-G3v V2	XN020-G3v	XN020-G3
Wi-Fi Class	BE22000	BE11000	AX6000	AX3000	AX1800	AC1200	N300	N300
Wi-Fi (6 GHz)	11520 Mbps	5760 Mbps	-	-	-	-	-	-
Wi-Fi (5 GHz)	8640 Mbps	4320 Mbps	4804 Mbps	2402 Mbps	1201 Mbps	867 Mbps	-	-
Wi-Fi (2.4 GHz)	1376 Mbps	574 Mbps	1148 Mbps	574 Mbps	574 Mbps	300 Mbps	300 Mbps	300 Mbps
Ethernet WAN Port	1× 10GE WAN/LAN	1× 10GE WAN/LAN	1× 2.5GE WAN/LAN	1× GE WAN/LAN	1× GE WAN/LAN	-	-	-
Ethernet LAN Ports	4× 2.5GE	4× 2.5GE	3× GE	3× GE	3× GE	4× GE	1× GE + 1× FE	1× GE
FXS Port	2× FXS	2× FXS	2× FXS	1× FXS	1× FXS	1× FXS	1× FXS	-
USB Port	1× USB 3.0	1× USB 3.0	1× USB 3.0	1× USB 2.0	1× USB 2.0	-	-	-
320 MHz Channel	•	•	-	-	-	-	-	-
OFDMA	•	•	•	•	•	-	-	-
4K-QAM	•	•	-	-	-	-	-	-
1024-QAM	-	-	•	•	•	-	-	-
Multi RU	•	•	-	-	-	-	-	-
MLO	•	•	-	-	-	-	-	-
MU-MIMO	•	•	•	•	•	•	-	-
Beamforming	•	•	•	•	•	•	-	-
Airtime Fairness	•	•	•	•	•	•	-	-
QoS	•	•	•	•	•	•	•	•
Access Control	•	•	•	•	•	•	•	•
Band Steering	•	•	•	•	•	•	-	-
Parental Controls	•	•	•	•	•	•	•	•
EasyMesh	•	•	•	•	•	•	-	-
Multi-SSID	•	•	•	•	•	•	•	•
IPTV	•	•	•	•	•	•	•	•
IPv6	•	•	•	•	•	•	•	•
VPN Server	•	•	•	•	•	-	-	-
Remote Management	OMCI TR-069/181/ 098/143	OMCI TR-069/181/ 098/143	OMCI TR-069/181/ 098/143	OMCI TR-069/181/ 098/143	OMCI TR-069/181/ 098/143	OMCI TR-069/181/ 098/143	OMCI TR-069/098/143	OMCI TR-069/098/143
HomeShield	•	•	•	•	-	-	-	-
Aginet App	•	•	•	•	•	•	-	-
Aginet Config	•	•	•	•	•	•	•	•
Aginet ACS	•	•	•	•	•	•	•	•
TAUC	•	•	•	•	•	-	-	-

Which is the right PON SFU for you?

	XGS-PON		GPON				
							
Model	XGZ030v	XGZ030	XZ005-G6v	XZ005-G6	XZ000-G6v	XZ000-G3	XZ000-G7
WAN Port	1× XGS-PON (E1)	1× XGS-PON (E1)	1× GPON (Class B+)	1× GPON (Class B+)	1× GPON (Class B+)	1× GPON (Class B+)	1× GPON (Class B+)
Ethernet LAN Port	1× 10GE	1× 10GE	1× 2.5GE	1× 2.5GE	1× GE	1× GE	1× GE
FXS Port	1× FXS	-	1× FXS	-	1× FXS	-	-
Remote Management	OMCI	OMCI	OMCI	OMCI	OMCI	OMCI	OMCI

*Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

xDSL Modem Routers

TP-Link's xDSL modem router solutions are compatible with the leading DSL service providers to meet everyday networking needs. Integrated with superfast Wi-Fi, VoIP, TR-069 protocol, and a built-in firewall, these products meet end users' growing demand for uninterrupted data for voice and HD video streaming services.

APPLICATION SCENARIO

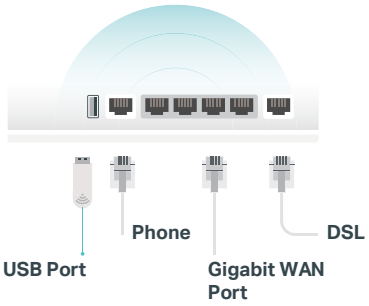
Problem

- **Wi-Fi Dead Zones:** Wireless coverage is small and there are blind spots in wireless coverage.
- **Slow Connections:** Slow wireless connections for large file downloads and streaming.
- **Wireless Interference:** Household appliances cause wireless interference and network instability.

Solution

Taking full advantage of the bandwidth potential of existing copper cables, G.fast technology delivers multi-gigabit speeds, and the super vectoring increases DSL data rates up to 350 Mbps. Beamforming and MU-MIMO and the latest Wi-Fi technology enhance wireless coverage and efficiency. Compatible with EasyMesh, users can create a true mesh network to cover their entire home.

FUNCTIONS

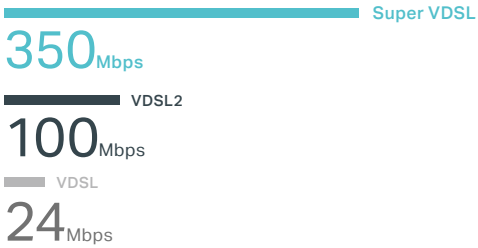


Multi-Application Scenario

Fully compatible with DSL connections, Ethernet access, and 3G/4G USB dongle backup, the modem will keep users always connected. With FXS ports, users can make or receive phone calls over the internet simply by connecting the devices to their existing telephone set.

Superfast, Stable Connections

TP-Link's VDSL products offer ultra-fast dual-band Wi-Fi speed. MU-MIMO serves multiple devices at once, reducing wait time, increasing Wi-Fi throughput for every device, and making each stream more efficient.



The Latest Generation of DSL Technology: V35b

With VDSL 35b, downstream speeds reach up to 350 Mbps—3.5× faster than its VDSL2 predecessor.

Remote Management for ISPs

ISPs can remotely manage end-user devices through the TR-069 protocol, realizing batch firmware upgrades, real-time device status monitoring, and remote diagnosis and configuration of devices.

A Modem for Every Networking Need

AX6000 Wi-Fi 6 VDSL2/G.fast Modem Router

VX800v

G.fast | Super VDSL | EasyMesh | Aginet App | Cloud Management

VX800v

AX6000 Wi-Fi 6 VDSL2/ G.fast Modem Router

AX6000 Dual-Band Wi-Fi 6
4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)

Versatile Connectivity
1× DSL + 1× SFP + 1× 2.5GE WAN/LAN + 2× GE LAN + 1× USB 3.0 + 2× FXS ports

HD Quality Telephony
VoIP with DECT base

Enhanced Security
TP-Link HomeShield

VX700h*

AX5400 Hybrid Wi-Fi 6 Modem Router with VoIP

AX5400 Dual-Band Wi-Fi 6
4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Versatile Connectivity
1× DSL + 1× GE WAN + 4× GE LAN + 1× USB 2.0 + 1× FXS ports

LTE Cat 6 Supported
4G speed up to 300 Mbps

VX231v

AX1800 Dual-Band Wi-Fi 6 Router with DECT

AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Versatile Connectivity
1× DSL + 1× GE WAN + 3× GE LAN + 1× USB 2.0 + 1× FXS ports

HD Quality Telephony
VoIP with DECT base

VX230v

AX1800 Dual-Band Wi-Fi 6 VDSL/ ADSL Modem Router

AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Versatile Connectivity
1× DSL + 1× GE WAN + 3× GE LAN + 1× USB 2.0 + 1× FXS ports

- **Compatibility -** Fully compatible with VDSL2/ADSL2+/ADSL2/ADSL standards.
- **Super VDSL -** The latest VDSL tech (VDSL2 Profile 35b) delivers internet speeds of up to 350 Mbps.
- **Wi-Fi 6 Technology -** Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM and OFDMA.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standard mesh technology enables users to create a whole home network.
- **6KV Lightning Protection -** Guards against electrical damage caused by thunderstorms.
- **Smart Connect -** Automatically assigns each device to the best available band to optimize network performance.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App -** Provides simplified control and management from a smartphone or tablet.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143, and TAUC management are supported.

*Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

Versatile Connection, High-Speed Wi-Fi

AC1200 Wireless Gigabit VoIP VDSL/ ADSL Modem Router

Archer VR1210v

Super VDSL | EasyMesh | MU-MIMO | Aginet App | Remote Management

Archer VR1210v (V2)

AC1200 Wireless Gigabit VoIP VDSL/ ADSL Modem Router

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)

Versatile Connectivity
1× DSL + 1× GE WAN + 3× GE LAN + 1× USB 2.0 + 1× FXS ports

Super VDSL2 35b
350 Mbps VDSL access

VC223-G3v

AC1200 Wireless Gigabit VoIP VDSL/ ADSL Modem Router

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)

Versatile Connectivity
1× DSL + 1× GE WAN + 4× GE LAN + 2× FXS ports

High-Speed VDSL2 30a
100 Mbps VDSL access

- **Compatibility -** Fully compatible with VDSL2/ADSL2+/ADSL2/ADSL standards.
- **MU-MIMO -** Simultaneously transfers data to multiple devices for faster performance.
- **Beamforming -** Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **EasyMesh Compatible -** Standardized mesh technology enables users to create a whole home network.
- **Smart Connect -** Automatically assigns each device to the best available band to optimize network performance.
- **Airtime Fairness -** Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, TR-111, and TR-143 are supported.

VN020-F3

300 Mbps Wireless N VDSL/ ADSL Modem Router

N300 Wi-Fi
300 Mbps on 2.4 GHz

High-Speed VDSL2 30a
100 Mbps VDSL access

Fast Wired Connections
1× FE LAN/WAN + 3× FE LAN ports

Remote Management
TR-069 (TR-098), TR-143

Which is the right xDSL modem router for you?

	Dual-Band						Single-Band
							
Model	VX800v	VX700h*	VX231v	VX230v	Archer VR1210v (V2)	VC223-G3v	VN020-F3
VDSL Standard/Profile	G.fast 212MHz/ VDSL2 35b	VDSL2 17a (35b optional)	VDSL2 35b	VDSL2 35b	VDSL2 35b	VDSL2 30a	VDSL2 30a
Wi-Fi Class	AX6000	AX5400	AX1800	AX1800	AC1200	AC1200	N300
Wi-Fi (5 GHz)	4804 Mbps	4804 Mbps	1201 Mbps	1201 Mbps	867 Mbps	867 Mbps	-
Wi-Fi (2.4 GHz)	1148 Mbps	574 Mbps	574 Mbps	574 Mbps	300 Mbps	300 Mbps	300 Mbps
FXS Port	2× FXS	1× FXS	1× FXS	1× FXS	1× FXS	2× FXS	-
Ethernet WAN Port	1× 2.5GE WAN/LAN	1× GE	1× GE	1× GE	1× GE	1× GE	1× FE WAN/LAN
Ethernet LAN Ports	2× GE	4× GE	3× GE	3× GE	3× GE	4× GE	3× FE
USB Port	1× USB 3.0	1× USB 2.0	1× USB 2.0	1× USB 2.0	1× USB 2.0	-	-
DECT	•	-	•	-	-	-	-
OFDMA	•	•	•	•	-	-	-
1024 QAM	•	•	•	•	-	-	-
EasyMesh	•	•	•	•	•	•	-
MU-MIMO	•	•	•	•	•	•	-
Beamforming	•	•	•	•	•	•	-
Multi-SSID	•	•	•	•	•	•	•
VLAN	•	•	•	•	•	•	•
QoS	•	•	•	•	•	•	•
Parental Controls	•	•	•	•	•	•	•
IPv6	•	•	•	•	•	•	•
VPN Server	•	•	•	•	•	•	•
IPTV	•	•	•	•	•	•	•
Access Control	•	•	•	•	•	•	•
HomeShield	•	-	-	-	-	-	-
Aginet App	•	•	•	•	•	•	-
Remote Management	TR-369/069/098/ 181/111/143	TR-369/069/098/ 181/111/143	TR-069/098/181/ 111/143	TR-069/098/181/ 111/143	TR-069/098/181/ 111/143	TR-069/098/181/ 111/143	TR-069/098/143
TAUC	•	•	•	•	•	-	-
Aginet ACS	•	•	•	•	•	•	•
Aginet Config	•	•	•	•	•	•	•
Other	1× SFP slot	1× SIM slot, CAT 6 supported	-	-	-	-	-

*Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

5G/4G Routers

TP-Link's 5G/4G routers take full advantage of cutting-edge mobile networks. This lets users share their 5G/4G network with multiple Wi-Fi devices, ensuring uninterrupted HD movies, rapid file downloads, and smooth video conferencing. The 5G/4G routers also feature 5G-NR, FDD-LTE, and TDD-LTE compatibility for more global support.

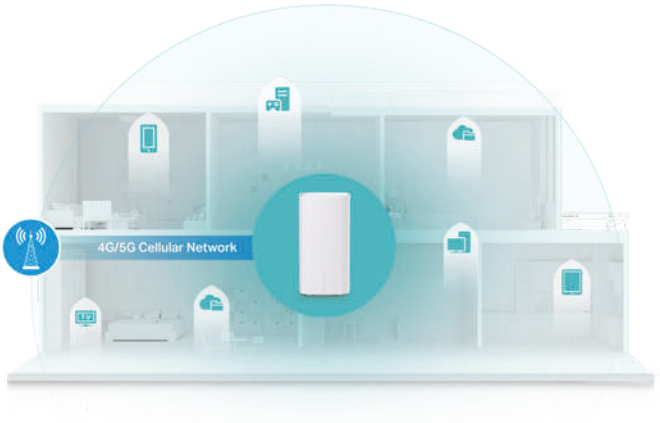
APPLICATION SCENARIO

Problem

Deployment takes too long. After moving to a new house, the fixed-line broadband deployment requires a long construction period. Users often have to wait months or even years to access the network.

Solution

TP-Link's 5G/4G routers share subscribers' mobile networks with multiple Wi-Fi devices. There's no need for carriers to install or configure cables at users' homes. Users need only to plug in a regular 5G/4G SIM card and enjoy whole home fixed wireless broadband services. These CPEs are also fully compatible with 5G-NR, FDD-LTE, and TDD-LTE, which are supported by most operators around the world.



FUNCTIONS

Maximum Wi-Fi Coverage

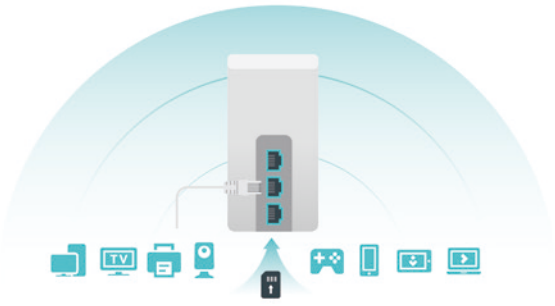
Advanced 5G/4G antennas create efficient and stable connections to every device. Power Amplifier and Low Noise Amplifier boost sending and receiving capabilities, creating superwide Wi-Fi coverage.

Connect Numerous Devices

5G/4G routers easily share a 5G/4G connection with numerous Wi-Fi clients like tablets, laptops, and mobile phones, all at the same time.

Plug and Play

With an integrated 5G/4G modem and a built-in SIM card slot, users only need to insert a SIM card and turn on a 5G/4G routers.



Available WAN Connection

5G/4G routers support a wide variety of connection types with the inclusion of the WAN/LAN port.

The Latest Tech for the Ultimate Experience

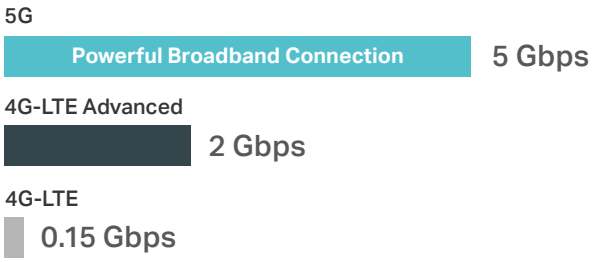
5G BE11000 Wi-Fi 7 Router

NB610v 5G Wi-Fi 7

5G: Unrivaled Speed, Feel No Lag

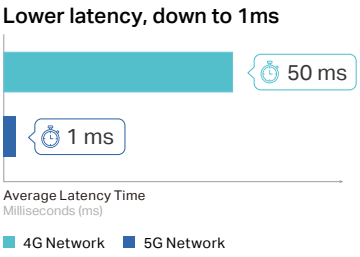
The Fastest Speed Ever

5G greatly boosts download speeds up to 5.0 Gbps (theoretically based on R16 Sub-6GHz) – 2.5× faster than 4G LTE-Advanced and 33× faster than 4G LTE.



Ultra-Low Latency

5G brings fast responsive network connections to tomorrow's mobile devices, with only 1 ms latency.



Wi-Fi 7: Faster, Broader, for More Devices

BE11000 Tri-Band Wi-Fi

5760 Mbps (6 GHz) + 4320 Mbps (5GHz) + 574 Mbps (2.4 GHz)

EasyMesh Compatible

Create a standard mesh network with great flexibility

Multi-Gig Wired Speeds

1× 2.5GE WAN/LAN port + 1× 2.5GE LAN port + 1× GE LAN port

Connect Numerous Devices

Connects up to 200 devices

Save Clients' Power

Target Wake Time helps mobile devices, especially IoT devices, consume less power during data transmission cycles to prolong battery life.

Plug and Play

With an integrated 5G modem and a built-in SIM card slot, users only need to insert a nano SIM card and turn on the router.

Remote Management

TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143 and TAUC are supported.

Note: Product is being developed. Actual product images and features may vary.

A New Era of 5G Networks

5G AX3000 Wi-Fi 6 Telephony Router

NX510v 5G

EasyMesh VoLTE Aginet App Cloud Management

Deco X80-5G

5G AX6000 Whole Home Mesh Wi-Fi 6 Router

Unrivaled Speed with 5G
Download speeds reach up to 5.0 Gbps—33× faster than 4G

AX6000 Dual-Band Wi-Fi
4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)

Multi-Gig Ports
1× 2.5GE WAN/LAN + 1× GE WAN/LAN port

Enhanced Security
TP-Link HomeShield

NX510v*

5G AX3000 Dual-Band Wi-Fi 6 Router

Unrivaled Speed with 5G
Download speeds reach up to 3.4 Gbps—22× faster than 4G

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN/LAN port + 2× GE LAN ports

EasyMesh Compatible
Standard mesh technology

Deco X58-4G

4G+ Cat18 AX3000 Whole Home Mesh Wi-Fi 6 Router

LTE-Advanced Cat 18
Download speeds up to 1200 Mbps

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
2× GE WAN/LAN ports

Enhanced Security
TP-Link HomeShield

MX515v*

4G+ Cat12 AX3000 Wi-Fi 6 Telephony Router

LTE-Advanced Cat 12
Download speeds up to 600 Mbps

AX3000 Dual-Band Wi-Fi
2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

Full Gigabit Ports
1× GE WAN/LAN port + 2× GE LAN ports

EasyMesh Compatible
Standard mesh technology

- **Plug and Play -** No configuration needed, compatible with SIM cards in 100+ countries.
- **Wi-Fi 6 Technology -** Delivers fast Wi-Fi speeds and higher capacity with 1024-QAM, OFDMA, and HE160.
- **WAN Connection Backup -** Features a WAN and 5G/4G/3G failover backup strategy for sustained internet connections.
- **Mesh Technology -** Create a true mesh network to cover every corner of a home.
- **Improved Security -** WPA3, the next-gen encryption method, creates extra protection for networks.
- **Easy Setup and Use -** Simple control and management with the Deco or Aginet app.
- **Remote Management -** TR-069 (TR-098/TR-181), TR-369, and TAUC management are supported.
- **VoLTE/CSFB Telephony -** Supports VoLTE/CSFB base features.

*Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

Enjoy 4G+ Speed Sharing Everywhere

4G+ Cat6 AC1200 Wireless Dual-Band Gigabit Router

Archer MR600

Archer MR600

4G+ Cat6 AC1200 Wireless Dual-Band Gigabit Router

LTE-Advanced Cat 6
Enjoy Download Speeds of up to 300 Mbps

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) and 300 Mbps (2.4 GHz)

High Efficiency Network
2×2 MU-MIMO

Capacity
Access for up to 64 Devices Simultaneously

Archer MR500

4G+ Cat6 AC1200 Wireless Dual-Band Gigabit Router

LTE-Advanced Cat 6
Enjoy Download Speeds of up to 300 Mbps

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) and 300 Mbps (2.4 GHz)

High Efficiency Network
2×2 MU-MIMO

Capacity
Access for up to 64 Devices Simultaneously

Archer MR400

AC1200 Wireless Dual-Band 4G LTE Router

LTE Cat 4
Enjoy Download Speeds of up to 150 Mbps

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) and 300 Mbps (2.4 GHz)

High Efficiency Network
2×2 MU-MIMO

Capacity
Access for up to 64 Devices Simultaneously

Archer MR200

AC750 Wireless Dual-Band 4G LTE Router

LTE Cat 4
Enjoy Download Speeds of up to 150 Mbps

AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) and 300 Mbps (2.4 GHz)

Capacity
Access for up to 64 Devices Simultaneously

- **OneMesh™ -** Flexibly create a whole home Wi-Fi for truly seamless online experiences.
- **Plug a SIM Card and Play -** No configuration needed, compatibility with SIM cards in 100+ countries is assured by years of field tests.
- **Detachable LTE Antennas -** Detachable LTE antennas provide high performance and stable cellular network connections.
- **Multiple Modes -** With a fully functional WAN/LAN port, works as a router compatible with cable, fiber, and DSL modems.
- **Wi-Fi Router Mode -** Plug an Ethernet cable into the LAN/WAN port for flexible access if you can't get a 4G connection.
- **3G/4G Network Support -** FDD-LTE/TDD-LTE/DC-HSPA+/SPA+/HSPA/UMTS.
- **TP-Link Tether App -** Provides simplified control and management from your iOS or Android smartphone.
- **Advanced Software -** Equipped with various software functions including parental controls and traffic management.

Which is the right 5G/4G router for you?

	Tri-Band	Dual-Band							
									
Model	NB610v*	Deco X80-5G	NX510v*	Deco X58-4G	MX515v*	Archer MR600	Archer MR500	Archer MR400	Archer MR200
Mobile Communication Technology	5G	5G	5G	LTE CAT18	LTE CAT12	LTE CAT6	LTE CAT6	LTE CAT4	LTE CAT4
Wi-Fi Class	BE11000	AX6000	AX3000	AX3000	AX3000	AC1200	AC1200	AC1200	AC750
Wi-Fi (6 GHz)	5760 Mbps	-	-	-	-	-	-	-	-
Wi-Fi (5 GHz)	4320 Mbps	4804 Mbps	2402 Mbps	2402 Mbps	2402 Mbps	867 Mbps	867 Mbps	867 Mbps	433 Mbps
Wi-Fi (2.4GHz)	574 Mbps	1148 Mbps	574 Mbps	574 Mbps	574 Mbps	300 Mbps	300 Mbps	300 Mbps	300 Mbps
Phone Port	1× FXS	1× FXS	1× FXS	1× FXS	1× FXS	-	-	-	-
Ethernet WAN/ LAN Port	1× 2.5 GE	1× 2.5 GE +1× GE	1× GE	2× GE	1× GE	1× GE	1× GE	1× FE	1× FE
Ethernet LAN Port	1× 2.5 GE +1× GE	-	2× GE	-	2× GE	3× GE	3× GE	3× FE	3× FE
OFDMA	•	•	•	•	•	-	-	-	-
MU-MIMO	•	•	-	-	-	•	•	•	-
Beamforming	•	•	•	•	•	-	-	-	-
Multi-SSID	•	-	•	-	•	-	-	-	-
QoS	•	•	•	•	•	•	•	•	•
Parental Controls	•	•	•	•	•	•	•	•	•
IPv6	•	•	•	•	•	•	•	•	•
VPN Server	•	-	•	-	•	•	•	•	•
Access Control	•	-	•	-	•	•	•	•	•
Remote Management	TR-369/069/098/ 181/143	TR-069/098	TR-069/098/ 181/143	TR-069/098	TR-069/098/ 181/143	TR-069/098	TR-069/098	TR-069/098	TR-069/098
Mesh	EasyMesh	Deco Mesh	EasyMesh	Deco Mesh	EasyMesh	OneMesh	OneMesh	OneMesh	OneMesh
Mobile App	Aginet App	Deco App	Aginet App	Deco App	Aginet App	Tether App	Tether App	Tether App	Tether App
TAUC	•	•	•	•	•	-	-	-	-
Other	2× SMA ports	2× SMA ports, Home Shield	2× SMA ports	2× SMA ports, Home Shield	2× SMA ports	-	-	-	-

*Products are being developed. Actual product images and features may vary.
The HomeShield feature is being developed, it may be available by software update on some models.

LTE MiFi

TP-Link's LTE MiFi takes full advantage of cutting-edge mobile networks. Users can share their LTE networks with multiple Wi-Fi devices to enjoy uninterrupted HD movies, rapid file downloads, and smooth video conferencing. TP-Link's LTE MiFi is also fully compatible with FDD-LTE and TDD-LTE, which are supported by most operators around the world.

APPLICATION SCENARIO

Problem

For some regions, such as remote rural areas, mountain areas, etc., the deployment and maintenance costs of fixed-line broadband are very high, operators need to pay high costs if they want to achieve network coverage in these areas.

Solution

TP-Link's LTE MiFi shares an LTE network with multiple Wi-Fi devices. Plug-and-Play ensures shared internet access in remote areas with just a SIM card. LTE MiFi is also fully compatible with FDD-LTE and TDD-LTE, which are supported around the world.

FUNCTIONS

Go Anywhere, Connect Everywhere

Years of external testing experience ensures reliable internet access in Europe, South and East Africa, and Southeast Asia.*

Power to Keep Working All Day Long

TP-Link's MiFi products provide hours of wireless connectivity, making them the perfect companion for travel, business trips, outdoor activities, and more.

Internet Access for Multiple Devices

Provides reliable Wi-Fi connection for multiple devices like tablets, laptops, and mobile phones simultaneously, allowing users to share their internet with friends via a single SIM card.

No Configuration Required

By simply plugging in a SIM card, users enjoy fast, stable Wi-Fi. LTE networking has never been easier.

*100+ countries and regions, except Japan and Korea

Enjoy the Freedom of Faster Speeds

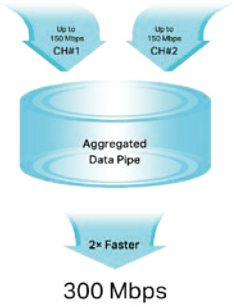
LTE-Advanced Mobile Wi-Fi

M7450

- LTE-Advanced Cat 6
- AC1200 Selectable Dual-Band Wi-Fi
- Power to Keep Working
- Easy Setup with tpMIFI
- Access for 32 Devices
- microSD Card Slot

Do More with a Faster Mobile Connection of up to 300 Mbps

M7450 supports 4G LTE network LTE-A Cat 6, which uses Carrier Aggregation. This advanced technology merges the fragmented LTE band into a "virtual" wider band to increase the data rate to provide fast 4G speeds of up to 300 Mbps.



Power to Keep Working All Day Long for ~15 Hours

M7450 is equipped with a powerful 3000 mAh battery. On its own, it can work effortlessly up to 15 hours at full capacity and stand by for over 900 hours.

Advanced Screen & Menu for Easy Use

The screen displays battery life, signal strength, Wi-Fi status, connected users, and more.

Multi-Band Support

Increases compatibility by adding B5 and B28 bands. *Version 1 is not supported.

Fast and Convenient Mobile Wi-Fi

LTE-Advanced Mobile Wi-Fi

M7650

600 Mbps LTE-Advanced Mobile Wi-Fi

M7650

- **LTE-Advanced Cat 11** - Up to 600 Mbps for downloads and 50 Mbps for uploads with a Qualcomm chipset and 256-QAM.
- **AC1200 Selectable Dual-Band Wi-Fi** - Two separate Wi-Fi bands combine for speeds of up to 1167 Mbps: 300 Mbps (2.4 GHz) and 867 Mbps (5 GHz).
- **Battery** - 3000 mAh battery provides up to 15 hours of service.
- **Easy Wi-Fi Sharing** - Shares Wi-Fi with up to 32 devices simultaneously.
- **Storage** - Features a microSD card slot for up to 32 GB of storage space.
- **The TP-Link tpMiFi App** - Provides simplified control and management from an iOS or Android smartphone.
- **Network Support** - Supports 4G (FDD-LTE/TDD-LTE), 3G (DC-HSPA+/HSPA/UMTS), and 2G (EDGE/GPRS/GSM) networks.

4G+ 4G LTE-A 600 Mbps

300 Mbps or 867 Mbps WI-FI

tpMIFI App

15h 15-Hour Battery

32GB Sharing from a microSD Card

M7350

4G LTE Mobile Wi-Fi

Screen Display
Shows real-time data transfer and power usage

SD Card Sharing
Share profiles on the SD card to anyone linked to the network

M7200

4G LTE Mobile Wi-Fi

8-Hour Working Time
2000 mAh Battery

- **4G LTE Cat 4 Speeds -** Up to 150 Mbps for downloads and 50 Mbps for uploads.
- **Easy Wi-Fi Sharing -** Shares Wi-Fi with up to 10 devices simultaneously.
- **Battery -** 2000 mAh battery provides up to 8 hours of service.
- **The TP-Link tpMiFi App -** Provides simplified control and management from an iOS or Android smartphone.

TP-Link Corporation Limited

E-mail: info@tp-link.com
Homepage: www.tp-link.com

PN: 8392501167