



Reliably Smart
www.tp-link.com
2022

ISP

Product Guide

Reliable. Flexible. Connected. 📶



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 leader.

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

TP-Link offers ideal solutions, flexible products, and incomparable services to help ISPs serve customers around the globe.

The Service Provider BU is one of the four major business units under TP-Link, fully dedicated to developing home and business networking solutions and services for consumers, operators, and partners. We have built reliable partnerships with more than 130 the world’s leading ISPs.

For ISPs that want to stay agile with low operation costs, TP-Link provides easy-to-use yet robust tools. These tools cover the first-time setup to long-term operation, serving your customers efficiently and instantly improving your profits.



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

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Why TP-Link Service Provider BU

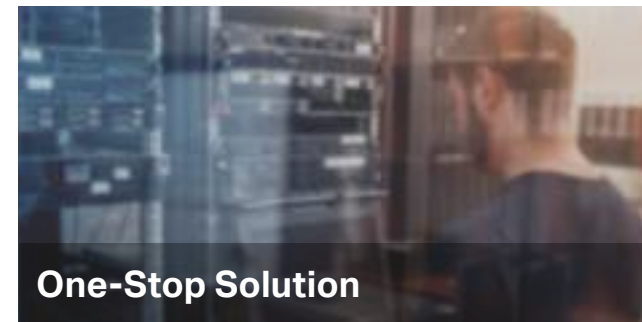
We offer innovative technology and reliable products, helping operators to serve customers around the globe.



Aginet for Internet Service Provider



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. We believe that the Aginet and Providers combine together to be the No. 1.



One-Stop Solution

Aginet solution provides a reliable foundation for cooperation

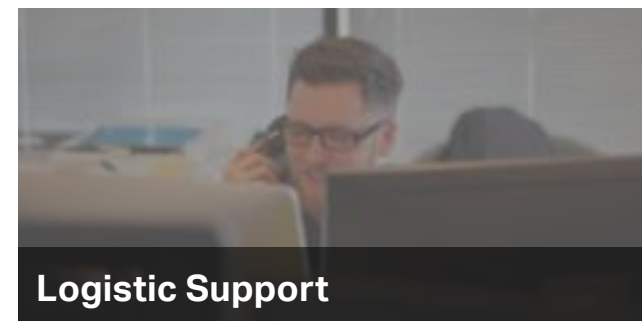
- Carrier-grade products and tailor-made solutions
- TAUC reduces operational costs and improves customer satisfaction
- Aginet App brings convenience and flexibility
- Guaranteed quality with rigorous tests and whole-process quality control



Customized Design

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

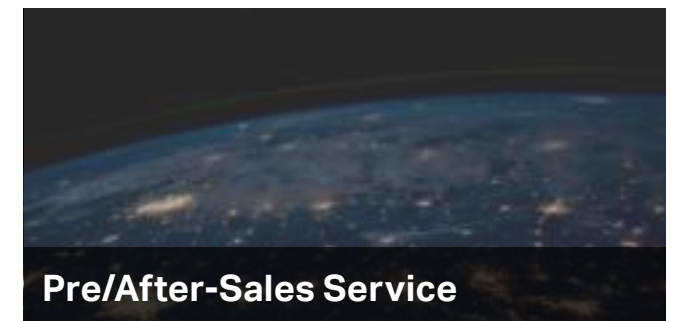
- Field-tested functions & features
- Remote management & auto provision interoperability
- Simplified operation and reduced costs for ISP
- Rich lab certification



Logistic Support

High-quality logistic support made operators get 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 subsidiaries ensure the operators can be supported in a very short time

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

This Year's Key Technology

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.



EasyMesh is a standard certification launched by the WiFi Alliance. Wi-Fi EasyMesh networks use a common standard that allows devices from multiple vendors to be onboard, configured, and able to communicate with each other. This brings flexibility, enabling devices from different vendors to work together to increase capacity and effective throughput by forming a smart and adaptable network. Not to mention, these networks are easy to set up and maintain. All can be self-organized to provide consistent coverage anywhere in a home, office, or outdoor space.



Whole Home Coverage

The mesh device automatically identifies and guides devices to the best channel. Take full advantage of your home network and its resources.



Seamless Roaming

Boosts signal strength while maintaining a single Wi-Fi network that covers every corner of your home. While moving between rooms, experience a stable network signal.



One-Click Settings

No need to follow complicated instructions to get Wi-Fi working. Just click the "WPS" button, and a home mesh network will be set up.



Flexible Scalability

If you already have an EasyMesh™ compatible access point, you can add more EasyMesh™ devices as needed. This lets you make full use of your older devices without replacing them.



► EasyMesh: The Simplest Way to Create Whole Home Mesh Wi-Fi

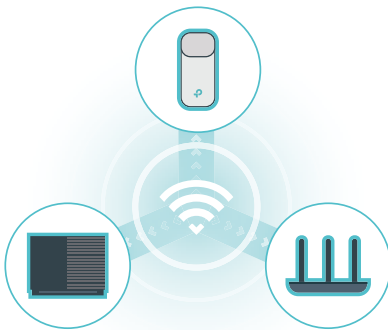
Experience strong, stable, and seamless wireless connections throughout your home with EasyMesh™. The Wi-Fi CERTIFIED EasyMesh™ standard works across different devices for ultimate flexibility.

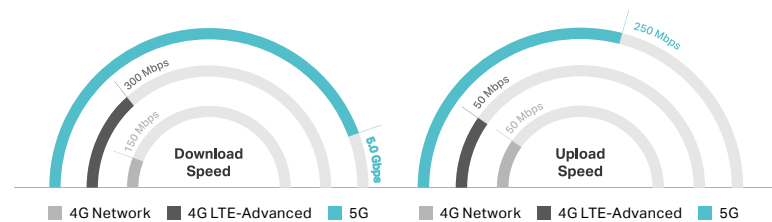
Seamless Wi-Fi Connections with One Network Name

Connects Wi-Fi clients to your mesh devices that provide the best coverage. All mesh devices share a single Wi-Fi name so you stay connected in every room.

Stability Meets Flexibility

With a TP-Link EasyMesh™ device, choose from a wide array of models to build your solid whole home mesh Wi-Fi network.



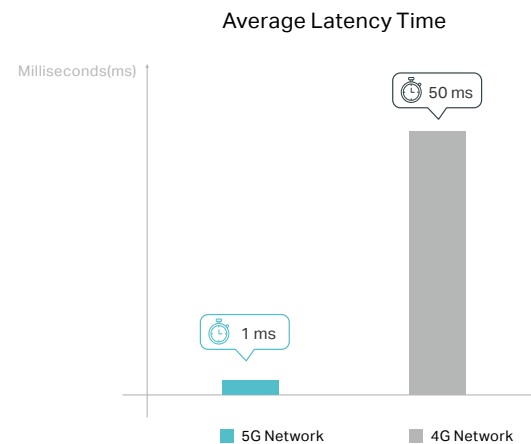


➤ **Faster Speeds**

5G's download speed reaches up to (based on R15 Sub-6 GHz)—16.7× faster than 4G LTE-Advanced and 33× faster than 4G LTE. 5G devices can now download a 3 GB file in 35 seconds when it reaches the download speed of 700 Mbps.

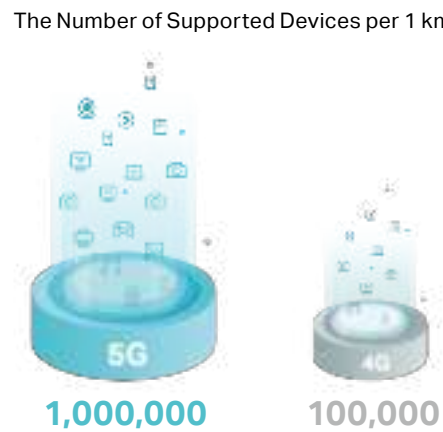
➤ **Lower Latency**

Taking a giant leap forward in connectivity, 5G brings fast responsive network connections to tomorrow's mobile devices, which greatly enhances the performance of real-time gaming. The low latency also helps the emerging IoT industry as shown below.



➤ **High-Density Connections**

As the IoT market accelerates, many more devices will connect to cells with a million devices per square kilometer under a 5G network.



➤ **5G Promises a More IoT-Friendly Ecosystem**



Traditional PON networks have become overloaded with more services increasingly carried on PON networks. Users' demand for more bandwidth puts more pressure on Internet Service Providers (ISPs) at a time when better network management is essential.

A network upgrade from GPON to XGS-PON is required to enjoy these services. XGS-PON is a newer standard for passive optical networks (PON) that supports 10 Gbps symmetric data transmission. XGS-PON provides better services with higher bandwidth and lower latency while encouraging the development of high-bandwidth operations. It also reduces both capital and operating expenditure, protecting ISPs' existing infrastructure investments.

➤ **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 more bandwidth, better cost of bandwidth to the home, 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.



Wi-Fi 6E

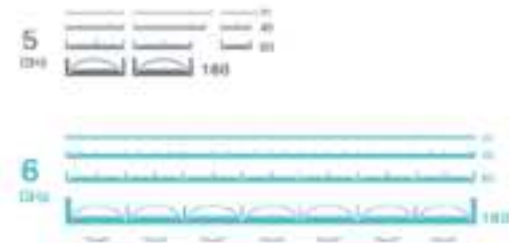
Beyond the Boundaries of Wi-Fi 6

Wi-Fi 6E means Wi-Fi 6 extended to the 6 GHz band. 6 GHz is the new frequency band ranging from 5.925 GHz to 7.125 GHz, allowing up to 1,200 MHz of additional spectrum. Access to the 6 GHz frequency brings more bandwidth, faster speeds, and lower latency.

6 GHz Makes All the Difference

Wider Lanes for Faster Speeds

The 6 GHz band allows for 7 additional 160 MHz channels that double bandwidth and throughput, enabling more simultaneous transmissions at the highest possible speeds.



Improved Capacity with More Spectrum

Offering up to 1,200 MHz of additional spectrum, the 6 GHz band fulfills the needs of ever-increasing Wi-Fi usage. The 1.2 GHz of contiguous spectrum more than doubles the number of pathways currently available for sending and receiving data, dramatically increasing network capacity while reducing congestion.



Wi-Fi 6E: Unlock the Full Potential of Wi-Fi 6

Wi-Fi 6E brings about upgraded performance in network efficiency and capacity. Whereas the advantages of Wi-Fi 6 are not fully realized while competing with transmissions from Wi-Fi 5. Opening the 6 GHz band changes the entire game, allowing Wi-Fi 6 to meet its intended potential.

Greenfield Spectrum for Wi-Fi 6

Unlike the crowded 2.4 GHz and 5 GHz bands, the wide-open 6 GHz spectrum is occupied only by efficient Wi-Fi 6E connections, removing frustrations currently caused by overcrowded Wi-Fi networks. 6 GHz channels also don't overlap with each other, greatly reducing network congestion.



The 6th Generation of Wi-Fi

Wi-Fi 6 is designed to improve the overall spectral efficiency, especially in dense usage scenarios.



1024-QAM



Longer OFDM
Symbol



UL/DL MU-MIMO



OFDMA



BSS Coloring



Target Wake
Time

Faster Speeds

Wi-Fi 6 streams feature speeds up to 1.2 Gbps—20% faster than a Gigabit Ethernet connection. Now, users can share their high-speed Wi-Fi with more devices at the same time.

Larger Capacity

OFDMA and MU-MIMO make Wi-Fi sharing enjoyable by dramatically improving the efficiency of Wi-Fi transmissions.

Higher Efficiency

Target Wake Time schedules transmissions and allows a power-saving 20 MHz stream to coexist with a high-speed 160 MHz stream. BSS Color improves efficiency by avoiding unnecessary slowdowns and minimizing Wi-Fi interference.

HomeShield

Smart Security for Smart Living



Network Protection



Parental Controls



Quality of Service



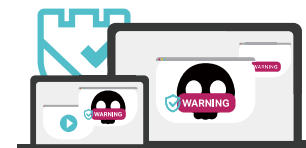
Comprehensive Reports

Network Protection



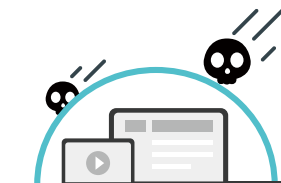
Real-Time IoT Protection

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



Malicious Site Blocker

Safeguards families by intelligently preventing access to malicious URLs.

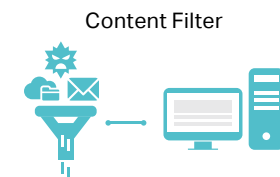


Intrusion Prevention

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

Robust Parental Controls

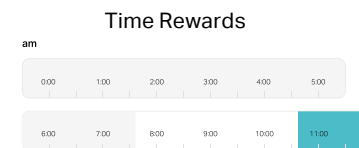
Age-level filters and online time limits provide families with personalized and appropriate internet access. With detailed reports of home networks, families can check the sites their children visit and see how much time they spend on each. This works great to keep children safe while they have fun online.



Content Filter



Bedtime



Time Rewards

Quality of Service (QoS)

With QoS, parents can assign bandwidth the devices they use most for optimal performance. Simple controls let them prioritize bandwidth for streaming, gaming, surfing, and video chatting.

Comprehensive Reports

HomeShield helps families gain insight and better control of their home networks with comprehensive Wi-Fi reports.



Aginet Solution for ISP

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.

TP-Link Aginet Unified Cloud (TAUC)

A cloud management solution to manage Wi-Fi services for the connected home.

Aginet ACS

One-stop TR-069 remote management platform

Aginet Config

An ISP tool to set your own default settings

TP-Link Aginet Unified Cloud Solution



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
- Users expect ISPs to solve all Wi-Fi issues
- ISPs pay higher OPEX costs without health check tools
- ISPs pay higher OPEX costs without Wi-Fi insights

TAUC Solution Benefits

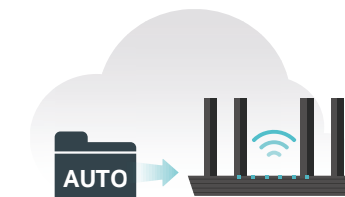
Industry Standards

Adopts TR-369 and TR-069 as the dual-stack management protocols and adopts TR-181 Multi-AP and Data Elements for the EasyMesh topology and advanced Wi-Fi diagnostics.



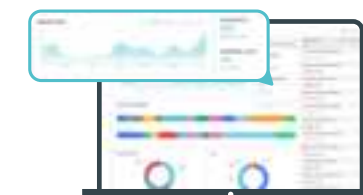
Zero Touch Deployment

Deliver Aginet CPEs to home users without on-site technical support and enable the CPEs with basic internet access. The CPEs will then register to the TAUC cloud, receive the ISP's pre-configured key parameters, and establish EasyMesh automatically.



Instant Insights for Connected Homes

Provide an overall online/offline real-time monitoring dashboard and Key Wi-Fi KPI Alert monitoring dashboards for all Networks.



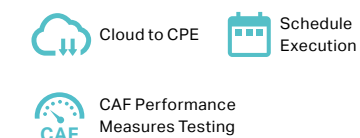
Near Real-Time Troubleshooting

Trigger Live Mode network performance analysis to generate near real-time multi-dimensional data collection, ISP operators can download the Key Wi-Fi Metrics report in 30 minutes.



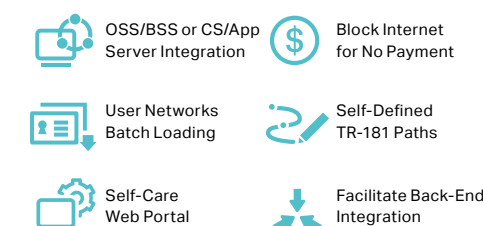
Agile Task

All Agile tasks are performed from the TAUC cloud to the target CPE groups. Perform on-demand firmware and mass upgrade popular parameters with schedule settings.



Open API Integration

The extensible architecture of our API Gateways offers automated operational management such as secure authentication for network activation and authorization methods for user network management.

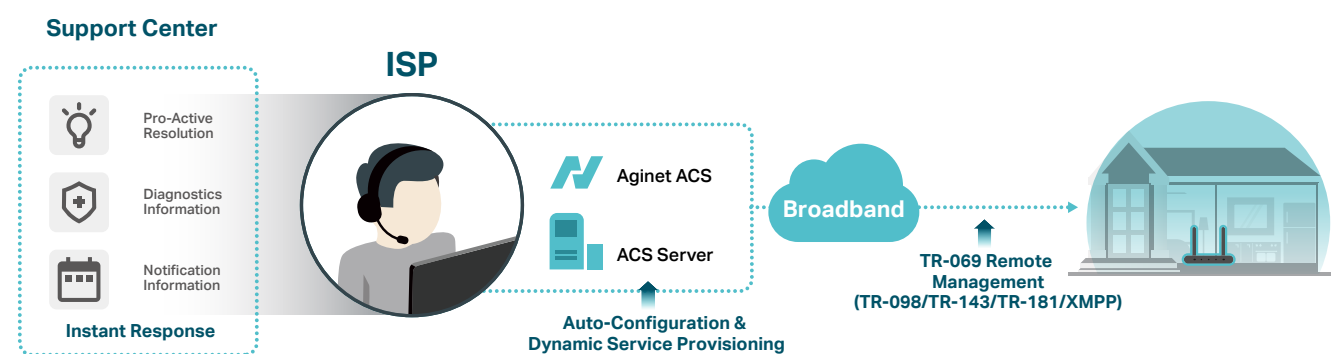


TP-Link's End-to-End Aginet ACS Solution

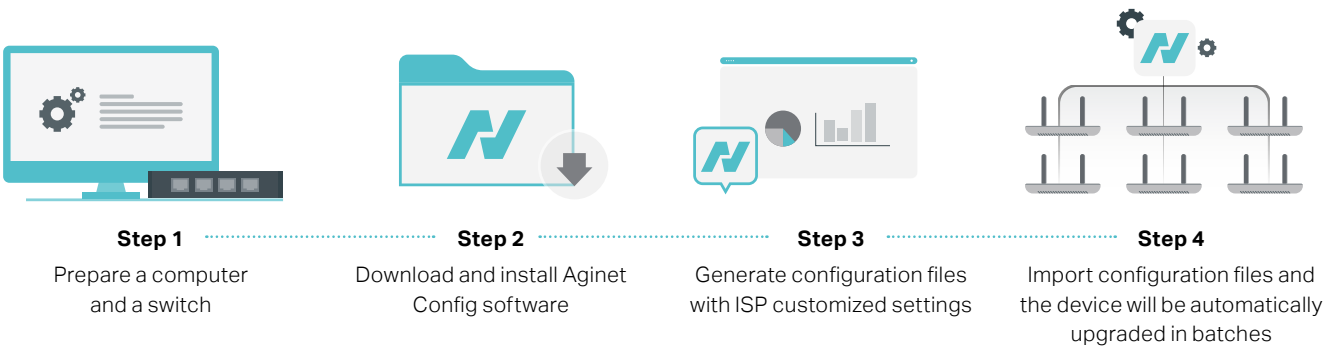
TP-Link Aginet ACS helps WISPs reduce on-site support by performing operations, diagnosis, and maintenance remotely, and facilitate extensive automation to reduce operation costs.

TP-Link's Aginet Config

Use Aginet Config to 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



Challenges to ISP

- 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

Challenges to ISPs

- Devices need to be manually modified individually
- Resets will erase ISP default configurations
- ISPs need to provide high-cost after-sales services

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

Solution Benefits

- **Batch customized configuration**
- **Keep ISP default configuration after a reset**
- **Easy configuration without special equipment**
- **Worry-Free Reset**

Configurations made with Aginet Config will update the device factory config. When customers press the reset button, the device will keep the ISP configuration after the reset.

Pre-Configure Everything

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.

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.

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 your customers deserve. Our Wi-Fi 6 routers offer EasyMesh-certified Wi-Fi with cloud remote management. App-based setup and helpful features for the whole family give users complete control.

Note: Products are being developed. EasyMesh certification of some products is in progress.

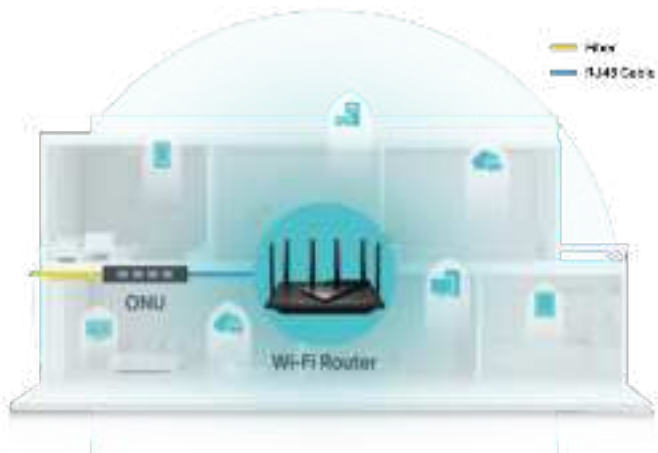
APPLICATION SCENARIO

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 home with EasyMesh.



Superfast Connections and Large Data Stream

Provides ultra-fast dual band Wi-Fi speed in both the 2.4 GHz and 5 GHz bands, ensuring high data transmissions.



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.



Faster Speed. Higher Capacity. More Efficiency.

AX6000 Dual-Band Wi-Fi 6 Router

EX820 Wi-Fi 6

- Mesh
EasyMesh
- WPA3
- MU
MU-MIMO Technology
- OFDMA
- Aginet App



Meet Broadband Need from Wi-Fi 6

AX5400 Dual-Band Wi-Fi 6 Router

EX710

- Mesh
EasyMesh
- WPA3
- MU
MU-MIMO Technology
- OFDMA
- Aginet App



EX820
AX6000 Dual-Band Wi-Fi 6 Router

- AX6000 Dual-Band Wi-Fi
4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)
- 1024-QAM and HE160
Fast wireless Wi-Fi 6 speed
- Multi-Gig Ports
1× 2.5GE WAN + 1× 2.5GE LAN + 3× GE LAN ports
- Lightning-Fast Media Sharing
USB 3.0 port



EX710
AX5400 Dual-Band Wi-Fi 6 Router

- AX5400 Dual-Band Wi-Fi
4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1024-QAM and HE160
Fast wireless Wi-Fi 6 speed
- Full Gigabit Ports
1× GE WAN + 4× GE LAN ports
- Lightning-Fast Media Sharing
USB 3.0 port



EX520
AX3000 Dual-Band Wi-Fi 6 Router

- 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 + 4× GE LAN ports
- Lightning-Fast Media Sharing
USB 3.0 port



EX510
AX3000 Dual-Band Wi-Fi 6 Router

- 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 + 4× GE LAN ports
- Lightning-Fast Media Sharing
USB 3.0 port



EX530v
AX3000 Dual-Band Wi-Fi 6 VoIP Router

- 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 + 3× GE LAN + 1× FXS ports
- VoIP
Make or receive phone calls over the Internet simply



EX230v
AX1800 Dual-Band Wi-Fi 6 VoIP Router

- AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1024-QAM and HE80
Quality wireless Wi-Fi 6 speed
- Full Gigabit Ports
1× GE WAN + 4× GE LAN ports
- VoIP
Make or receive phone calls over the Internet simply



EX230
AX1800 Dual-Band Wi-Fi 6 Router

- AX1800 Dual-Band Wi-Fi
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 1024-QAM and HE80
Quality wireless Wi-Fi 6 speed
- Full Gigabit Ports
1× GE WAN + 3× 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)
- 1024-QAM and HE80
Quality wireless Wi-Fi 6 speed
- Full Gigabit Ports
1× GE WAN + 4× GE LAN ports

- **Wi-Fi 6** - Brings about upgraded performance in network efficiency and capacity.
- **OFDMA** - Greatly increases the number of connected devices by assigning channels to more devices simultaneously.
- **MU-MIMO** - Simultaneously transfers data to multiple devices for faster performance.
- **Airtime Fairness** - Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Beamforming** - Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **Smart Connect** - Automatically assigns each device to the best available band to optimize network performance.
- **EasyMesh** - Standardized mesh technology enables users to create a whole home network with lower cost and higher efficiency.
- **Total Security** - WPA3, the next-gen encryption method, creates extra protection for networks.
- **Aginet App** - Provides simplified control and management from an IOS or Android smartphone.
- **Two Modes In One** - Choose Router Mode or Access Point Mode for your actual demands and experience the maximum wireless flexibility.
- **Remote Management** - TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143 are supported.

Note: Products are being developed. Final products may vary from displayed images and features.

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Wi-Fi 5 Routers

High-Speed Dual Band
Wi-Fi for Better Connections

AC1300 MU-MIMO Wi-Fi Router

EC225-G5





- 
Airtime
Fairness
- 
Remote
Management
- 
EasyMesh
- 
Aginet App

Wi-Fi 5 Routers



EC220-F5





AC1200 Dual-Band
Wi-Fi 5 Router

- **AC1200 Dual-Band Wi-Fi**
867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- **Fast Connectivity**
1× FE WAN + 4× FE LAN ports
- **Far-Reaching Range**
4× External Antennas
- **Remote Management**
TR-069 (TR-098)



EC120-F5







AC750 Dual-Band
Wi-Fi 5 Router

- **AC750 Dual-Band Wi-Fi**
433 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- **Fast Connectivity**
1× FE WAN + 4× FE LAN ports
- **Far-Reaching Range**
3× External Antennas
- **Remote Management**
TR-069 (TR-098)



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 + 3× GE LAN ports
- **Far-Reaching Range**
4× External Antennas
- **Remote Management**
TR-069 (TR-098/TR-181/TR-111/TR-143)
- **EasyMesh**
Standard Mesh Technology
- **Value-Added Features**
MU-MIMO and Beamforming are supported



EC220-G5

AC1200 Dual-Band
Wi-Fi 5 Router





- **AC1200 Dual-Band Wi-Fi**
867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- **Full Gigabit Ports**
1× GE WAN + 3× GE LAN ports
- **Far-Reaching Range**
4× External Antennas
- **Remote Management**
TR-069 (TR-098), TR-111, TR-143

Wi-Fi 4 Routers



EN020-F5





300Mbps Wireless N Router

- **N300 Wi-Fi**
300 Mbps (2.4 GHz)
- **Fast Connectivity**
1× FE WAN + 4× FE LAN ports
- **Far-Reaching Range**
2× High-Gain External Antennas
- **Remote Management**
TR-069 (TR-098)



TL-WR850N

300Mbps Wireless N Router

- **N300 Wi-Fi**
300 Mbps (2.4 GHz)
- **Fast Connectivity**
1× FE WAN + 4× FE LAN ports
- **Far-Reaching Range**
2× High-Gain External Antennas
- **Remote Management**
TR-069 (TR-098)

- **MU-MIMO** - Simultaneously transfers data to multiple devices for faster performance.
- **Airtime Fairness** - Assigns each device the same amount of time to exchange data to improve network efficiency for high-speed devices.
- **Gigabit Ports** - All Gigabit Ethernet ports deliver lightning-fast wired performance.
- **Beamforming** - Concentrates signals to connected devices and delivers highly efficient wireless connections.
- **Total Security** - WPA3, the next-gen encryption methods, creates extra protection for your networks.
- **Aginet App** - Provides simplified control and management from an iOS or Android smartphone.
- **Two Modes In One** - Choose Router Mode or Access Point Mode for your actual demands and experience the maximum wireless flexibility.

Note: Products are being developed. Final products may vary from displayed images and features.

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. This helps ISPs improve the efficiency of CPE management and reduce after-sales service costs.



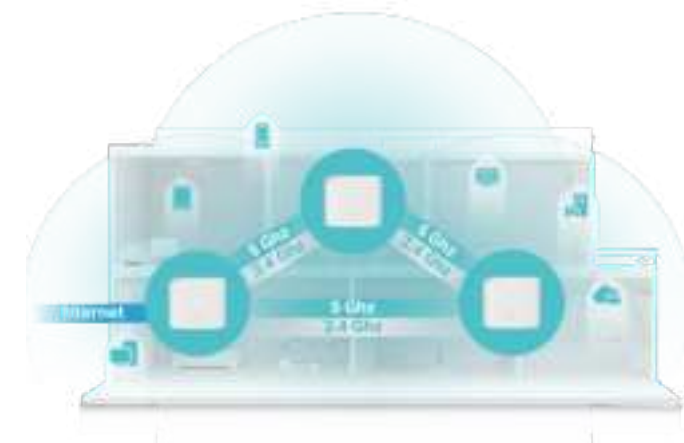
APPLICATION SCENARIO

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 provides a whole home mesh Wi-Fi solution to eliminate Wi-Fi dead zones and ensure an uninterrupted Wi-Fi throughout homes. 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 system.



FUNCTIONS



The True Mesh Experience

One Network, One Name: 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.



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: Aginet automatically encrypts every wireless connection using WPA2-PSK or WPA3-PSK.



Wi-Fi Made Easy

Hands-Off: Aginet adjusts automatically to provide the best connections when users add devices or walk around their homes.

Easy Setup and Easy 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.




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.

Whole Home Mesh Wi-Fi 6E/6 System

Connect to a New Frontier

AX5400 Tri-Band Whole Home Mesh Wi-Fi 6E System

HX706 


- 
EasyMesh
- 
WPA3
- 
MU-MIMO
Technology
- 
OFDMA
- 
Aginet App



Whole Home Mesh Wi-Fi 6/5 System

Powerful Network Experience




AX5400 Whole Home Mesh Wi-Fi 6 System

HX710 

- 
EasyMesh
- 
WPA3
- 
MU-MIMO
Technology
- 
OFDMA
- 
Aginet App






HX706
AX5400 Tri-Band Whole Home Mesh Wi-Fi 6E System

- 
AX5400 Tri-Band Wi-Fi 6E
2402 Mbps (6 Ghz) + 2402 Mbps (5 Ghz) + 574 Mbps (2.4 Ghz)
- 
1024-QAM and HE160
Astonishing wireless Wi-Fi 6E speed
- 
High-Speed Internet Access
1× GE WAN/LAN + 2× GE LAN ports






HX820
AX6000 Whole Home Mesh Wi-Fi 6 System

- 
AX6000 Dual-Band Wi-Fi 6
4804 Mbps (5 Ghz) + 1148 Mbps (2.4 Ghz)
- 
1024-QAM and HE160
Fast wireless Wi-Fi 6 speed
- 
High-Speed Internet Access
1× 2.5GE WAN/LAN + 2× GE LAN ports






HX710
AX5400 Whole Home Mesh Wi-Fi 6 System

- 
AX5400 Dual-Band Wi-Fi 6
4804 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 
1024-QAM and HE160
Fast wireless Wi-Fi 6 speed
- 
High-Speed Internet Access
1× GE WAN/LAN + 1× GE LAN ports






HX510 / HX520
AX3000 Whole Home Mesh Wi-Fi 6 System

- 
AX3000 Dual-Band Wi-Fi 6
2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 
1024-QAM and HE160
Fast wireless Wi-Fi 6 speed
- 
High-Speed Internet Access
1× GE WAN/LAN + 2× GE LAN ports





HX220 / HX230
AX1800 Whole Home Mesh Wi-Fi 6 System

- 
AX1800 Dual-Band Wi-Fi 6
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- 
1024-QAM and HE80
Quality wireless Wi-Fi 6 speed
- 
High-Speed Internet Access
1× GE WAN/LAN + 2× GE LAN ports



HC220-G5 / HC230
AC1200 Whole Home Mesh Wi-Fi System

- 
AC1200 Dual-Band Wi-Fi
867 Mbps (5 GHz) + 300 Mbps (2.4 GHz)
- 
High-Speed Internet Access
1× GE WAN/LAN + 2× GE LAN ports

- **EasyMesh** - Standardized mesh technology enables users to create a whole home network with lower cost and higher efficiency.
- **Aginet App** - Provides simplified control and management from an iOS or Android smartphone.
- **Remote Management** - TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143 are supported.
- **Higher Capacity** - OFDMA and MU-MIMO technologies enable simultaneous transmissions and improve capacity.
- **Ultra-Low Latency** - Greater reduction in latency for more responsive gaming and video conferencing.
- **Seamless Roaming** - Nodes work together to form a unified network. Users can walk through their homes and stay connected with the fastest possible speeds.
- **Ethernet Backhaul** - A stronger backhaul between nodes delivers seamless coverage to every corner of a home.
- **Total Security** - WPA3, the next-gen encryption method creates extra protection for networks.
- **Two Modes In One** - Router mode and Access Point mode offer maximum flexibility to handle the demands of different networks.
- **Self-Healing** - In a TP-Link Whole Home Mesh Wi-Fi system, if a node is not usable for any reason, network resources will still be available via another node as a fail-safe.

Note: Products are being developed. Final products may vary from displayed images and features.

- **EasyMesh** - Standardized mesh technology enables users to create a whole home network with lower cost and higher efficiency.
- **Aginet App** - Provides simplified control and management from an iOS or Android smartphone.
- **Remote Management** -TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143 are supported.
- **MU-MIMO** - Simultaneously transfers data to multiple devices for faster performance.
- **Seamless Roaming** - Nodes work together to form a unified network. Users can walk through their homes and stay connected with the fastest possible speeds.
- **Ethernet Backhaul** - A stronger backhaul between nodes delivers seamless coverage to every corner of a home.
- **Total Security** - WPA3, the next-gen encryption method creates extra protection for networks.
- **Two Modes in One** - Router mode and Access Point mode offer maximum flexibility to handle the demands of different networks.
- **Self-Healing** - In a TP-Link Whole Home Mesh Wi-Fi system, if a node is not usable for any reason, network resources will still be available via another node as a fail-safe.

Note: Products are being developed. Final products may vary from displayed images and features.

VDSL

TP-Link's high-performance VDSL solutions include VDSL2 35b/30a/17a gateways. Integrated with super-fast 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

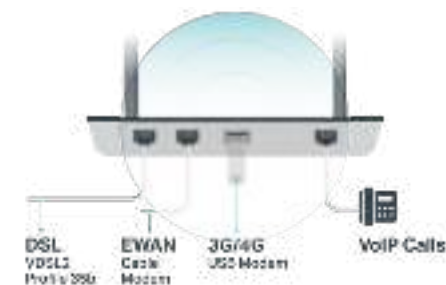
- **Wi-Fi Dead Zones:** Wireless coverage is small and there are blind spots in wireless coverage.
- **Slow Connections:** Slow wireless connections for large file downloads and streaming.
- **Wireless Interference:** Household appliances cause wireless interference and network instability.

Solution

Super vectoring technology increases DSL data rates by up to 350 Mbps, while Beamforming and MU-MIMO features enhance wireless coverage and efficiency, and gateways or modem routers can work with agents for EasyMesh networking. With TP-Link's VDSL solutions, users enjoy fast Wi-Fi on multiple devices at the same time.



FUNCTIONS

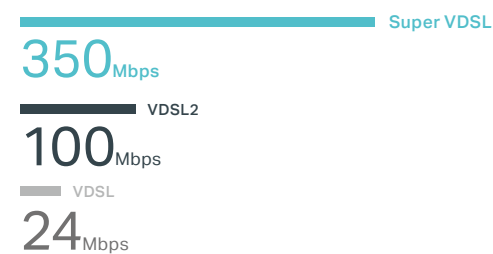


Multi-Application Scenario

Fully compatible with VDSL2 35b connections, Ethernet access, and 3G/4G USB modems. Aginet works in different scenarios. With FXS ports, users can make or receive phone calls over the internet simply by connecting the devices to their existing telephone set.

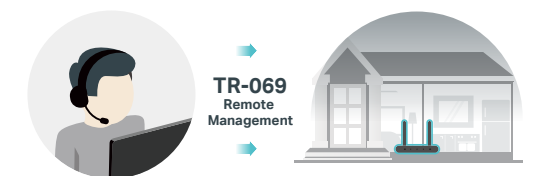
Superfast, Stable Connections

TP-Link's VDSL products offer ultra-fast dual band Wi-Fi speed. MU-MIMO serves up to 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.

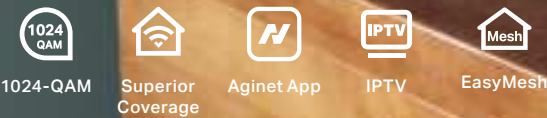


VDSL Modem Router – Wi-Fi 6

A Modem for Every Networking Need

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

VX800v



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)

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

Multi-Gig Connectivity
1× SFP + 1× 2.5GE WAN/LAN + 2× GE LAN + 1× USB 3.0 + 2× FXS ports

Super VDSL2 35b
350 Mbps VDSL access

Enhanced Security
TP-Link HomeShield



VX700v

AX5400 Wi-Fi 6 VDSL/ADSL Modem Router

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

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

Versatile Connectivity
1× GE WAN + 4× GE LAN + 1× USB 3.0 + 1× FXS ports

Super VDSL2 35b
350 Mbps VDSL access



VX230v

AX1800 Wi-Fi 6 VDSL/ADSL Modem Router

AX1800 Dual-Band Wi-Fi 6
1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

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

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

Super VDSL2 35b
350 Mbps VDSL access

- **Compatibility** - Fully compatible with VDSL2/ADSL2+/ADSL2/ADSL standards.
- **Higher Capacity** - OFDMA and MU-MIMO technologies enable simultaneous transmissions and improve capacity.
- **Superior Coverage** - High-performance antennas and Beamforming provide maximum omni-directional wireless coverage.
- **Full Gigabit Ports** - Provide rapid, reliable wired connections to computers, TVs, and game consoles.
- **TP-Link 6KV Lightning Protection** - Guards against electrical damage caused by thunderstorms.
- **IPTV** - Port VLAN binds specific LAN ports to PVCs for an enjoyable IPTV experience.
- **Multi-Function Software** - Features a variety of software functions such as Parental Controls, QoS, and Guest Network.
- **EasyMesh** - Standardized mesh technology enables users to create a whole home network with lower cost and higher efficiency.
- **Aginet App** - Provides simplified control and management from an iOS or Android smartphone.
- **Remote Management** - TR-069 (TR-098/TR-181), TR-369, TR-111, TR-143 are supported.

VDSL Modem Router – Wi-Fi 6



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)

1024-QAM and HE160
Astonishing wireless Wi-Fi 6 speeds

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

High-Speed VDSL2 17a (35b optional)
100 Mbps VDSL access

Aginet App
Provides simplified control and management

EasyMesh
Standardized Mesh Technology

Remote Management
TAUC, TR-069(TR-098/TR-181), TR-111, TR-143

LTE Cat6 Supported
4G speed up to 300 Mbps

VDSL Modem Router – Wi-Fi 5



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× GE WAN + 3× GE LAN + 1× USB 2.0 + 1× FXS ports

Super VDSL2 35b
350 Mbps VDSL access

Aginet App
Provides simplified control and management

EasyMesh
Standardized Mesh Technology

Remote Management
TAUC, TR-069,(TR-098/TR-181), TR-111, TR-143



VC221-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× GE WAN + 4× GE LAN + 1× USB 2.0 + 2× FXS ports

High-Speed VDSL2 30a
100 Mbps VDSL access

VDSL Modem Router – Wi-Fi 4



VN020-F3

300Mbps Wireless N VDSL/ADSL Modem Router

N300 Wi-Fi
300 Mbps wireless speed for multi-user HD video streaming

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

High-Speed VDSL2 30a
100 Mbps VDSL access

Two External Antennas
Wide wireless coverage

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

GPON

TP-Link's GPON HGU (Home Gateway Unit) solution delivers multiple services through a single optical fiber connection to support ISPs in the delivery of popular triple-play services. Advanced technologies bring a combination of broadband internet, HDTV, VoIP, and online gaming straight to subscribers.

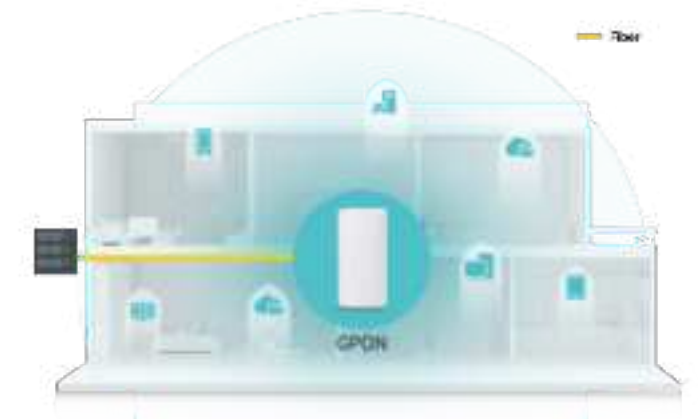
APPLICATION SCENARIO

Problem

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

Solution

TP-Link's GPON HGU offers a solution that 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 the existing telephone set.



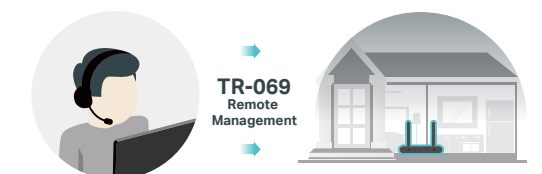
Superfast, Stable Connections

Provides ultra-fast dual band Wi-Fi speed in both the 2.4 GHz and 5 GHz bands. Also, with XGS-PON and multi-gigabit LAN ports, speeds reach up to 10x 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.





The Leading Technology for Delivering Multi-Gigabit Internet Services

AX11000 Wireless Tri-Band XGS-PON VoIP Router

SX1100v

EasyMesh

Remote Management

Aginet App



Advanced Technology. Combined Network.

AX6000 Dual-Band Wi-Fi 6 GPON VoIP Router

XX800v

EasyMesh

Remote Management

Aginet App



 SX1100v AX11000 Wireless Tri-Band XGS-PON VoIP Router	 SX800v AX6000 Wireless Dual-Band XGS-PON VoIP Router	 SZ030 XGS-PON SFU	 XX800v AX6000 Dual-Band Wi-Fi 6 GPON VoIP Router	 XX530v AX3000 Dual-Band Wi-Fi 6 GPON Router
<div> Fastest Tri-Band Wi-Fi 6E 4804 Mbps (6 GHz) + 4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)</div> <div> 10G Wired Performance Support XGS-PON WAN + 10 GE LAN ports to enable ultra-fast 10G network connections</div> <div> Works on the 6 GHz Band Minimizes congestion with greenfield spectrum, delivering robust high-speed connections</div> <div> VoIP Telephony 2× FXS ports, support VoIP and DECT base station functions</div> <div> HomeShield TP-Link premium security services</div> <div> Lightning-Fast Media Sharing USB 3.0 port</div> <div> EasyMesh Provides whole home Wi-Fi coverage with standardized mesh technology</div> <div> Remote Management TR-069(TR-098/TR-181), TR-369, TR-111, TR-143</div>	<div> AX6000 Dual-Band Wi-Fi 6 4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)</div> <div> 10G Wired Performance Support XGS-PON WAN + 10 GE LAN ports to enable ultra-fast 10G network connections</div> <div> VoIP Telephony 2× FXS ports, support VoIP and DECT base station functions</div> <div> HomeShield TP-Link premium security services</div> <div> Lightning-Fast Media Sharing USB 3.0 port</div> <div> EasyMesh Provides whole home Wi-Fi coverage with standardized mesh technology</div> <div> Remote Management TR-069(TR-098/TR-181), TR-369, TR-111, TR-143</div>	<div> 10G Wired Performance Supports XGS-PON WAN + 1× 10 Gbps LAN ports to enable ultra-fast 10G network connections</div> <div> Bridge Mode High-speed transparent transmission for the best signal</div> <div> Remote Management Supports OMCI</div> <div> BOSA on Board Design Support SC/APC port</div>	<div> AX6000 Dual-Band Wi-Fi 6 4804 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)</div> <div> 2.5 Gbps Wired Speed 1× 2.5GE WAN/LAN + 3× GE LAN ports</div> <div> Lightning-Fast Media Sharing USB 3.0 port</div> <div> HD Quality Telephony 2× FXS ports</div> <div> HomeShield TP-Link premium security services</div>	<div> AX3000 Dual-Band Wi-Fi 6 2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz)</div> <div> High-Speed Internet Access 1× GE WAN/LAN + 3× GE LAN ports</div> <div> Easy Sharing USB 2.0 port</div> <div> HD Quality Telephony 1× FXS port</div>

- **EasyMesh** - Standardized mesh technology enables users to create a whole home network with lower cost and higher efficiency.
- **Aginet App** - Provides simplified control and management from an iOS or Android smartphone.
- **Remote Management** - OMCI, TR-069(TR-098/TR-181), TR-369, TR-111, TR-143 are supported.

Wi-Fi 6 HGU

Wi-Fi 6 HomeShield

The Superior GPON for Whole Home Network

AX1800 Dual Band Wi-Fi 6 GPON Router

XX230v

EasyMesh Remote Management Aginet App



Wi-Fi 5 HGU



XC221-G3v AC1200 Wireless VoIP GPON Router



XC220-G3v AC1200 Wireless VoIP GPON Router

AC1200 Dual-Band Wi-Fi 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz) High-Speed Internet Access 4× GE LAN + 2× FXS ports Supports VoIP Calls Enables phone calls over the internet EasyMesh Standardized mesh technology

AC1200 Dual-Band Wi-Fi 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz) High-Speed Internet Access 4× GE LAN + 1× FXS ports Supports VoIP Calls Enables phone calls over the internet EasyMesh Standardized mesh technology

- Aginet ACS/Aginet Config - Provides ISPs with a fully-functional Wi-Fi management platform.
- Remote Management - OMCI, TR-069(TR-098/TR-181), TR-111, TR-143 are supported.

Wi-Fi 4 HGU



XN020-G3v 300 Mbps Wireless N Gigabit VoIP GPON Router



XN020-G3 300 Mbps Wireless N Gigabit GPON Router

N300 Wi-Fi 300 Mbps wireless speed for multi-user HD video streaming High-Speed Internet Access (1× GE + 1× FE) LAN + 1× FXS ports

N300 Wi-Fi 300 Mbps wireless speed for multi-user HD video streaming High-Speed Internet Access 1× GE port

- Aginet ACS/Aginet Config - Provides ISPs with a fully-functional Wi-Fi management platform.
- Remote Management - OMCI, TR-069(TR-098) are supported.

SFU



XZ000-G3 1-Port Gigabit GPON Terminal

Full Gigabit Port 1× GPON port + 1× GE port Ease of Use Quick and hassle-free installation Remote Management Supports OMCI High-Speed GPON Service 2.488 Gbps downstream and 1.244 Gbps upstream



XX231v AX1800 Wireless VoIP GPON Router

AX1800 Dual-Band Wi-Fi 6 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

High-Speed Internet Access 4× GE LAN ports

HD Quality Telephony 2× FXS ports



XX230v AX1800 Dual Band Wi-Fi 6 GPON Router

AX1800 Dual-Band Wi-Fi 6 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)

High-Speed Internet Access 1× GE WAN/LAN + 3× GE LAN ports

Easy Sharing USB 2.0 port

HD Quality Telephony 1× FXS port

- EasyMesh - Standardized mesh technology enables users to create a whole home network with lower cost and higher efficiency.
- Aginet App - Provides simplified control and management from an iOS or Android smartphone.
- Remote Management - OMCI, TR-069(TR-098/TR-181), TR-369, TR-111, TR-143 are supported.

DeltaStream

GPON Optical Line Terminal (OLT)

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

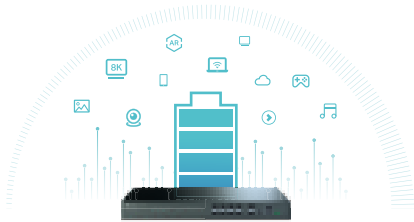
1:128 Split Ration for High Capacity

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.



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.



Dual Power Supplies

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



19 inch

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 Binding
- ARP Inspection
- IP Source Guard
- 802.1× Authentication
- DoS Defend



Centralized Management

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

5G/4G CPEs

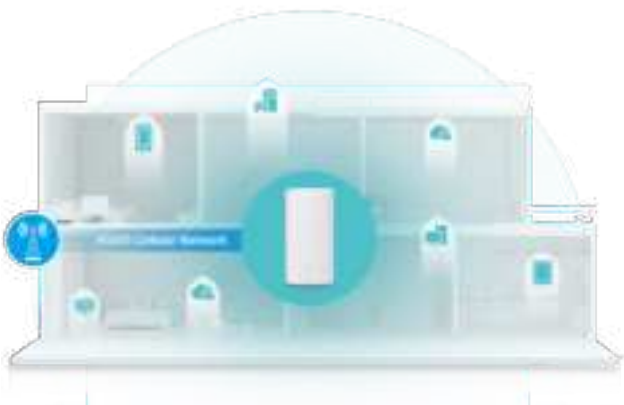
TP-Link 5G/4G CPEs take full advantage of cutting-edge mobile networks. This lets users share their 5G/4G network with multiple Wi-Fi devices, ensuring uninterrupted HD movies, rapid file downloads, and smooth video conferencing. TP-Link CPEs also feature 5G-NR, FDD-LTE, and TDD-LTE compatibility for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



- Available WAN Connection

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



The Latest Tech for the Ultimate Experience

5G AX6000 Whole Home Mesh Wi-Fi 6 Router

Deco X80-5G 5G + Mesh + Wi-Fi 6

5G + Mesh + Wi-Fi 6

Realizing a New Era of 5G Networks

5G AX3600 Wi-Fi 6 Telephony Router

NX620v

2.5G port EasyMesh Aginet App

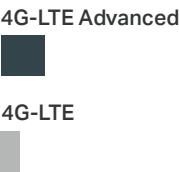
5G: Unrivaed Speed with the Lag

The Fastest Speed Ever

5G greatly boosts download speeds up to 5.0 Gbps (based on R15 Sub-6GHz) – 16.7× faster than 4G LTE-Advanced and 33× faster than 4G LTE.



5G Powerful Broadband Connection 33× Faster



Ultra-Low Latency

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

Wi-Fi 6 Mesh: Faster, Broader, for More Devices

AX6000 Dual-Band Wi-Fi Speeds up to 6.0 Gbps

Whole Home Mesh Wi-Fi Covers up to 2,900 ft²

Connect Numerous Devices Connects up to 200 devices

Seamless Roaming Stable connections throughout a home

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.

Outstanding Wired Performance

1× 2.5GE WAN/LAN Port + 1× GE LAN Port.



Deco X80-5G

5G AX6000 Whole Home Mesh Wi-Fi 6 Router

- 5G Unrivaed 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)
- 2.5Gbps Wired Speed 1× 2.5GE WAN/LAN + 1× GE WAN/LAN + 1× Phone ports
- Enhanced Security TP-Link HomeShield



NX620v

5G AX3600 Wi-Fi 6 Telephony Router

- 5G Unrivaed Speed with 5G Download speeds reach up to 5.0 Gbps—33× faster than 4G
- AX3600 Dual-Band Wi-Fi 2402 Mbps (5 GHz) + 1148 Mbps (2.4 GHz)
- 2.5Gbps Wired Speed 1× 2.5GE WAN/LAN + 2× GE LAN + 1× Phone ports
- Aginet APP Provides simplified control and management
- VoLTE/CSFB Telephony Supports VoLTE/CSFB base features



NX510v

5G AX3000 Wi-Fi 6 Telephony Router


- 5G Unrivaed 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)
- High-Speed Internet Access 1× GE WAN/LAN + 2× GE LAN + 1× Phone ports
- Aginet APP Provides simplified control and management
- VoLTE/CSFB Telephony Supports VoLTE/CSFB base features

- Plug and Play - No configuration needed, compatible with SIM cards in 100+ countries.
- 5G External Antennas Adapter - 5G external antennas provide high-performance and stable cellular network connections.
- Available WAN Connection Backup - Features a WAN and 5G/4G failover backup strategy for for sustained internet connections.
- 5G/4G Network Support - 5G/FDD-LTE/TDD-LTE/DC-HSPA+/SPA+/HSPA/UMTS.
- Advanced Software - Equipped with various software functions including parental controls and traffic management.
- Easy Setup and Management – Simple control and management with the free Tether/Deco app.
- Remote Management - TR-069 (TR-098/TR-181) supported.
- EasyMesh - Provides whole home Wi-Fi coverage with standardized mesh technology.

Enjoy 4G+ Speeds Everywhere

4G+ Cat12 AX3000 Wi-Fi 6 Telephony Router


MX515v




LTE-Advanced Cat12




AX3000 Dual-Band Wi-Fi



EasyMesh




VoLTE




Aginet App




MX515v
4G+ Cat12 AX3000 Wi-Fi 6 Telephony Router




LTE-Advanced Cat12
Download speeds up to 600 Mbps




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



High-Speed Internet Access
1× GE WAN/LAN + 2× GE LAN + 1× Phone ports




EasyMesh
Standardized mesh technology




VoLTE/CSFB Telephony
Supports VoLTE/CSFB base functions




MX510v
4G+ Cat6 AX3000 Wi-Fi 6 Telephony Router




LTE-Advanced Cat6
Download speeds up to 600 Mbps




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



High-Speed Internet Access
1× GE WAN/LAN + 2× GE LAN + 1× Phone ports




EasyMesh
Standardized mesh technology




VoLTE/CSFB Telephony
Supports VoLTE/CSFB base functions




Archer MR600
4G+ Cat6 AC1200 Wireless Dual-Band Gigabit Router




LTE-Advanced Cat6
Download speeds up to 300 Mbps



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




High-Speed Internet Access
1× GE WAN/LAN + 3× GE LAN ports




OneMesh™
Flexibly create a whole home Wi-Fi with truly seamless online experience




Archer MR500
4G+ Cat6 AC1200 Wireless Dual-Band Gigabit Router




LTE-Advanced Cat6
Download speeds up to 300 Mbps



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




High-Speed Internet Access
1× GE WAN/LAN + 3× GE LAN ports




OneMesh™
Flexibly create a whole home Wi-Fi with truly seamless online experience




Archer MR400
AC1200 Wireless Dual-Band 4G LTE Router



LTE Cat4
Download speeds up to 150 Mbps




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




Capacity
Up to 64 simultaneous connections




Archer MR200
AC750 Wireless Dual-Band 4G LTE Router



LTE Cat4
Download speeds up to 150 Mbps




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




Capacity
Up to 64 simultaneous connections




TL-MR6400
300 Mbps Wireless N 4G LTE Router



LTE Cat4
Download speeds up to 150 Mbps



N300 Wi-Fi Speed
300 Mbps Wi-Fi for Daily Needs



Capacity
Up to 64 simultaneous connections



TL-MR6500v
300 Mbps Wireless N 4G LTE Telephony Router



LTE Cat4
Download speeds up to 150 Mbps



N300 Wi-Fi Speed
300 Mbps Wi-Fi for Daily Needs.



VoLTE/CSFB Telephony
Supports VoLTE/CSFB base functions

- **Plug and Play** - No configuration needed, compatible with SIM cards in 100+ countries.
- **Detachable LTE Antennas Adapter** - Detachable LTE antennas provide high-performance and stable cellular network connections.
- **Available WAN Connection Backup** - Features a WAN and 3G/4G failover backup strategy for sustained internet connections.
- **3G/4G Network Support** - FDD-LTE/TDD-LTE/DC-HSPA+/SPA+/HSPA/UMTS.
- **Easy Setup and Management** – Simple control and management with the free Tether app.

- **Plug and Play** - No configuration needed, compatible with SIM cards in 100+ countries.
- **Detachable LTE Antennas Adapter** - Detachable LTE antennas provide high-performance and stable cellular network connections.
- **Available WAN Connection Backup** - Features a WAN and 3G/4G failover backup strategy for sustained internet connections.

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.

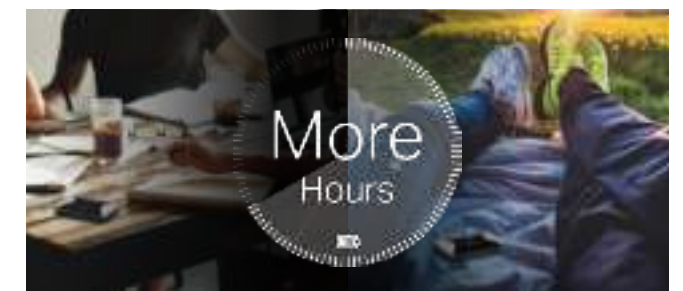


FUNCTIONS



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 up to hours of wireless connectivity, making it 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 phone 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 on a LTE network 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 Cat6
- 

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 the 4G LTE network LTE-A Cat6, 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 Cat11** - 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 32GB 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 LTE-A 600 Mbps
- 

300 Mbps or 867 Mbps Wi-Fi
- 

tpMiFi App
- 

15-Hour Battery
- 

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 Cat4 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.



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*Some models' appearances in this brochure are not determined and will be updated accordingly. Please use the product images only for reference, some features may require software upgrades or subscriptions.

**Use of Wi-Fi 6, Wi-Fi 6E, and other features including OFDMA, MU-MIMO, 1024-QAM, and BSS Color requires clients to also support the corresponding features. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions.

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