



# AV1300 Gigabit Passthrough Powerline ac Wi-Fi Kit

Extend AC1200 Wi-Fi and Gigabit  
Network to Every Room



TL-WPA8631P KIT



2x2 MIMO  
Technology



Plug & Play



Supports Smart  
Roaming<sup>Δ</sup>



One-Touch Wi-Fi  
Configuration

# Highlights

## Easily Extend Ultra-Fast, Stable Wi-Fi to Every Room

Stably and efficiently transmit network signals anywhere with a power outlet via your home's existing wiring.

- No need for new wires or drilling
- Network passes through walls and floors



OneMesh™

### Supports Smart Roaming<sup>^</sup>

Form a unified mesh network with TL-WPA8631P and a OneMesh™ router for seamless streaming while moving around your home.



Learn more about OneMesh™ technology and check the full list\* of OneMesh™ devices at:

<https://www.tp-link.com/onemesh/tl-wpa8631p-kit>

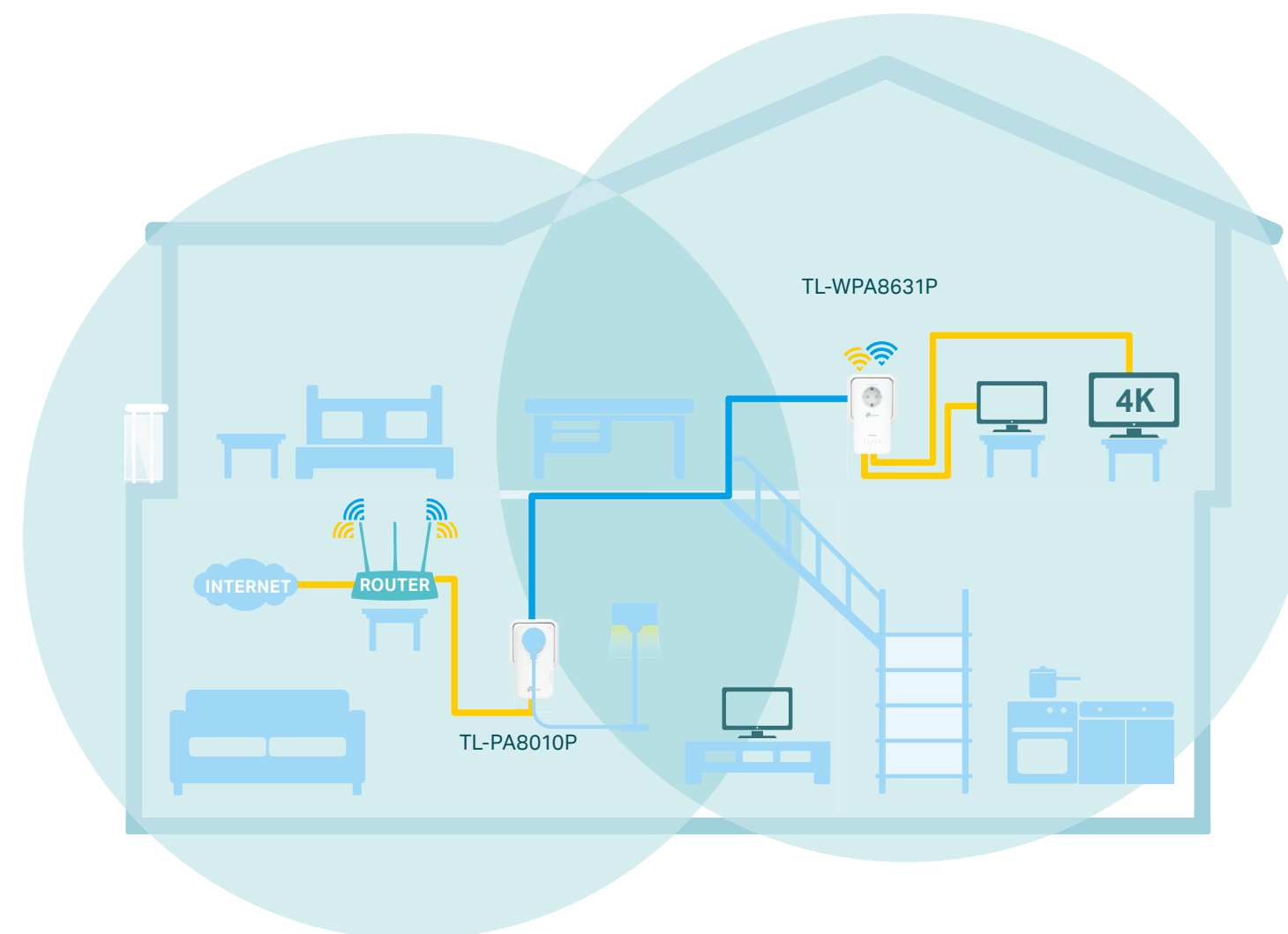
\*More compatible devices are coming soon.

— Electrical Wiring

— Ethernet Cable

📶 2.4 GHz 300 Mbps

📶 5 GHz 867 Mbps



# Highlights

## Three Gigabit Ethernet Ports

Provide warp speed wired connections for 4K video streaming, lag-free gaming, and more.



## 1,300 Mbps Powerline with 2x2 MIMO†

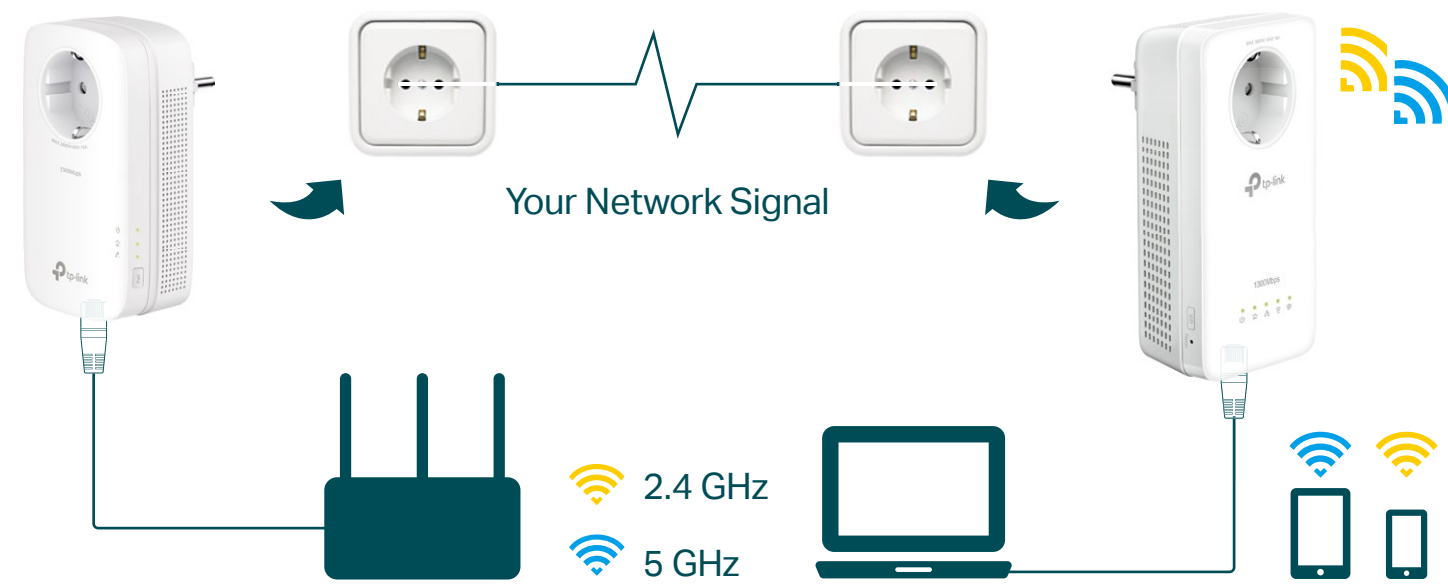
Establish multiple simultaneous connections to improve data transfer rates, stability, and coverage.



# Highlights

## Plug and Play

Powerline adapters and extenders must be deployed in a set of two or more and be connected to the same electrical circuit.



## One-Touch Wi-Fi Configuration

Copy wireless settings from a router to the extender using the same SSID and password with just a tap.



# Features



## Speed

- HomePlug AV2 – Provides up to 1300Mbps high speed data transmission over a home's existing electrical wiring
- Wireless AC Standard – Dual-band Wi-Fi speeds of 300Mbps on the 2.4GHz band and 867Mbps on the 5GHz band
- Multiple Gigabit Ports – Three gigabit Ethernet ports for game consoles, smart TVs, or media receivers



## Ease of Use

- Wi-Fi Clone – Allows powerline extenders to copy the network name (SSID) and password from your router with one simple touch
- Wi-Fi Move – Automatically adopts Wi-Fi settings from your existing powerline network
- TP-Link tpPLC – Easily manage your network using the intuitive tpPLC App or the tpPLC Utility
- Plug, and Play – Set up your powerline network in minutes



## Wi-Fi Range

- Expansive Coverage – Utilizes any household power circuit to deliver data over distances of up to 300 meters



## Security

- Pair Button – Provides a connection with 128-bit AES encryption, at the touch of "Pair" button
- Parental Controls – Manage when and how connected devices can access the internet



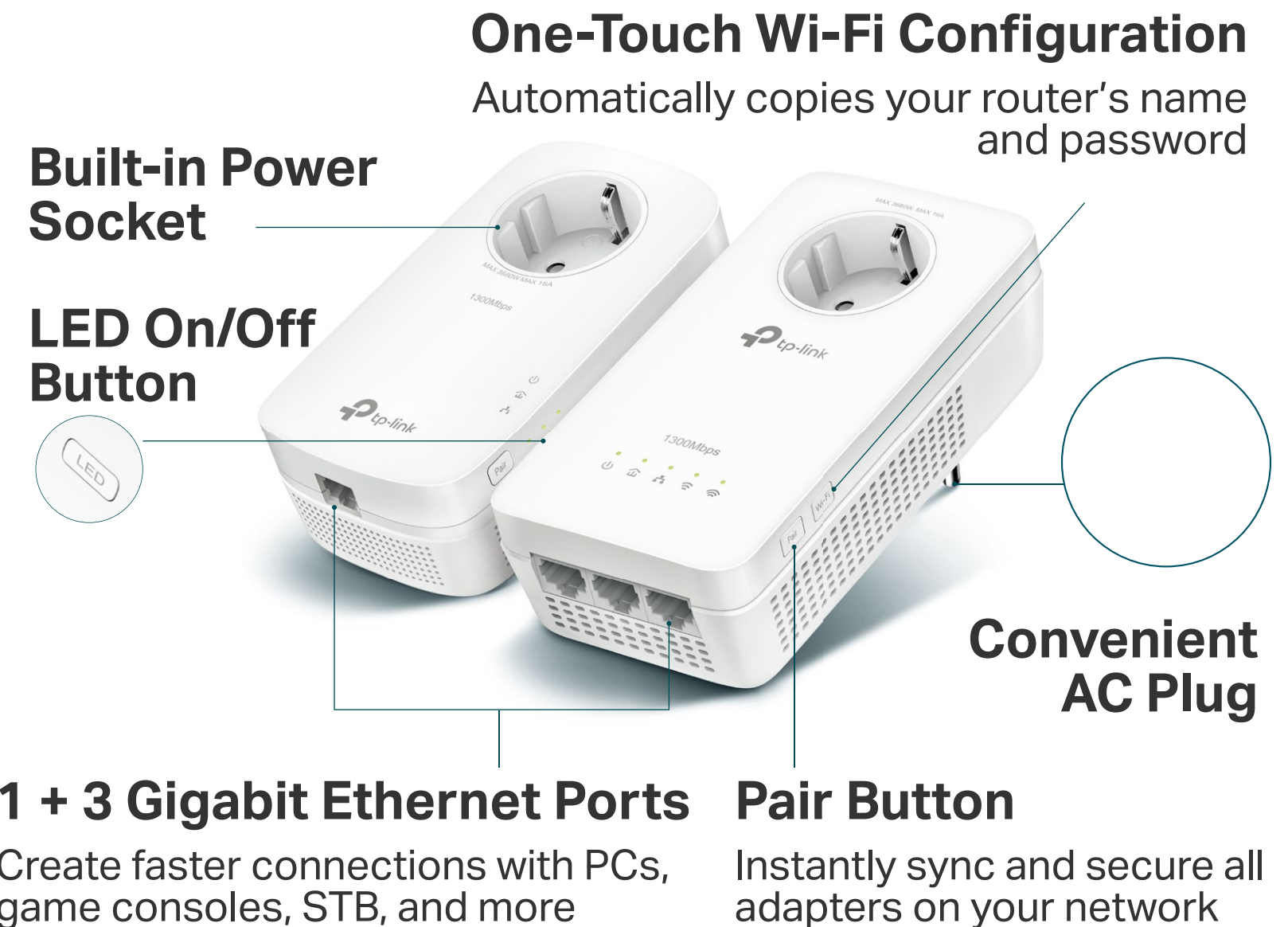
## Reliability

- 2X2 MIMO – Establishes simultaneous connections, providing more stable connections and expansive coverage
- Mains Filter – The integrated mains filter reduces electrical noise interference and improves powerline communication performance.

# Specifications

## Hardware

- Transmission Speeds:  
Powerline: up to 1300 Mbps  
Ethernet: 10/100/1000 Mbps
- Standards and Protocols:  
HomePlug AV2, IEEE 1901, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.11b/g/n (2.4GHz), IEEE 802.11a/n/ac (5GHz)
- Interface: 3 Gigabit Ethernet Ports
- Plug Type: EU
- Button: Pair, LED On/Off, Wi-Fi, Reset
- LED Indicator: Power, Powerline, Ethernet, Wi-Fi (2.4GHz), Wi-Fi (5GHz)
- Dimensions (W x D x H):  
TL-WPA8631P: 3.0 x 1.7 x 6.0 in. (75 x 42 x 152 mm)  
TL-PA8010P: 2.8 x 1.7 x 5.2 in. (72 x 42 x 131 mm)
- IGMP: IGMP v1/v2/v3
- Power Consumption:  
TL-WPA8631P: Maximum: 13W, Typical: 11W  
TL-PA8010P: Maximum: 4.9W, Typical: 4.6W
- Range: Up to 300 meters/1000 feet over existing electrical wiring<sup>†</sup>
- Compatibility: Compatible with all HomePlug AV & HomePlug AV2 standard powerline adapters<sup>§</sup>



# Specifications

## Software

- Modulation Technology: OFDM
- Security: Wireless: WPA-PSK/WPA2-PSK, WEP Encryptions, Powerline: 128-bit AES Encryption
- Management Tools:  
Scan the QR code to download TP-Link tpPLC App



Or download new tpPLC Utility on PCs: [www.tp-link.com](http://www.tp-link.com).

## Others

- Package Contents  
AV1300 Gigabit Passthrough Powerline ac Wi-Fi KIT: 1× TL-WPA8631P, 1× TL-PA8010P  
Ethernet Cable x 2  
Quick Installation Guide
- Certification  
CE, RoHS
- System Requirements  
Windows 10/8.1/8/7/Vista/XP, Mac OS, Linux
- System Requirements for tpPLC Utility  
Windows 10/8.1/8/7/Vista/XP and Mac OS X (10.7 or later)
- Environment  
Operating Temperature: 0°C~40°C (32°F~104°F)  
Operating Humidity: 10%~90% non-condensing  
Storage Humidity: 5%~90% non-condensing



For more information, please visit

<http://www.tp-link.com/products/details/TL-WPA8631PKIT.html>

or scan the QR code on the left

Attention: This device may only be used indoors in all EU member states and EFTA countries.

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<sup>1</sup>Maximum Powerline signal rates are the physical rates derived from HomePlug AV/AV2 specifications. Actual Powerline data throughput and Powerline range are not guaranteed and will vary as a result of network conditions and environmental factors, including electrical interference, volume of traffic and network overhead, AFCI circuit breaker, and Powerline being located in a separate circuit.

<sup>2</sup>Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

<sup>3</sup>Compatible with all HomePlug AV and AV2 Standard Powerline adapters. This product may not be compatible with routers or gateways with firmware that has been altered, is based on open source programs, or are non-standard or outdated.

<sup>4</sup>Smart Roaming is designed for devices that support the 802.11k/v standard. Uninterrupted Roaming only works when Powerline Wi-Fi extender and OneMesh™ router wireless coverage overlaps and already forms a OneMesh™ network.

[www.tp-link.com](http://www.tp-link.com)

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