



# AV1000 Gigabit Powerline ac Wi-Fi Kit

AC1200 Wi-Fi to Power Up Your Network

TL-WPA7517 KIT



Plug & Play



Ideal for 4K HD Streaming and Lag-Free Gaming



Supports Smart Roaming<sup>Δ</sup>



One-Touch Wi-Fi Configuration


# Highlights

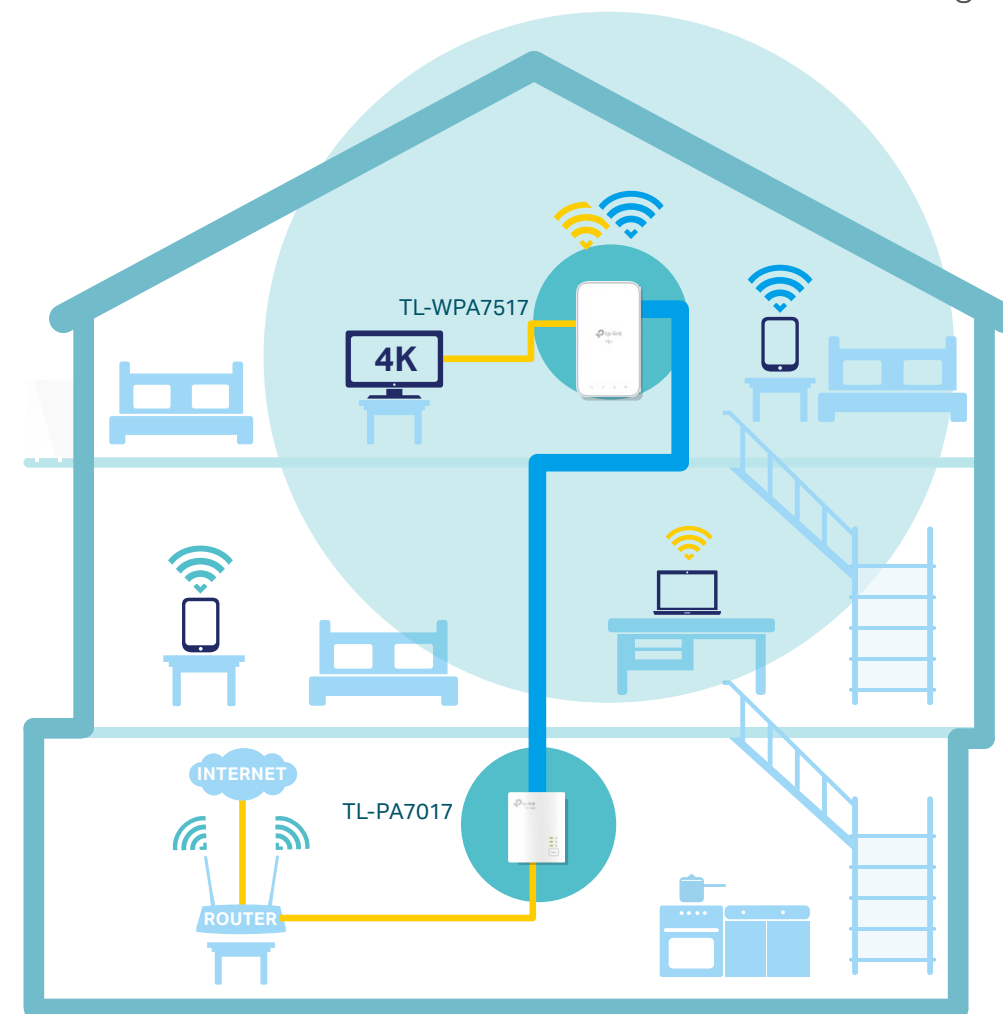
## Easily Extend Fast, Reliable Wi-Fi to Every Room

The AV1000 Gigabit Powerline ac Wi-Fi Kit brings internet to any area with a power outlet using your home's electrical wiring.

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

- Electrical Wiring
- Ethernet Cable
- 📶 2.4 GHz 300 Mbps<sup>†</sup>
- 📶 5 GHz 867 Mbps<sup>†</sup>

 **Supports Smart Roaming**  
OneMesh™ Form a unified mesh network with TL-WPA7517 and a OneMesh™ router for seamless streaming while moving around your home.



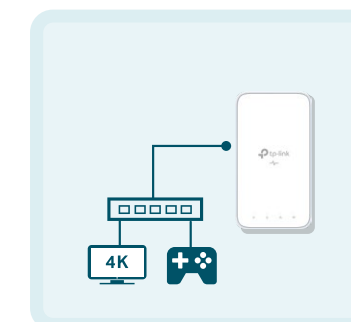
## HomePlug AV2 Standard Compliant

Provides users with stable, high-speed data transfer rates of up to 1000 Mbps on a line length of up to 300 meters.<sup>†</sup>



## One-Touch Wi-Fi Configuration

With just a tap, copy your router's wireless settings onto the extender to share the same SSID and password.



## Gigabit Ethernet for Reliable Connections

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



## Easy Setup and Management

Quickly set up a secured Powerline network with Plug & Play and easily manage it via the tpPLC app, Utility, and/or Web Interface.

# Features

## Speed

- **Wireless AC Standard** – AC1200 dual band Wi-Fi (867Mbps on 5GHz & 300Mbps on 2.4GHz) allows streaming, gaming, emailing, browsing and posting on your wireless devices, throughout your home
- **HomePlug AV2** – Provides up to 1000Mbps high-speed data transmission over a home's existing electrical wiring
- **Gigabit Ethernet Ports** – Provide reliable high-speed wired connections for game consoles, smart TVs, and NAS
- **Speed Optimization** – Supports IGMP managed multicast IP transmission, optimizing IPTV streaming

## Range

- **300 Meters Range** – Up to 300 meters / 1000 feet range over the existing household power circuit

## Ease of Use

- **Wi-Fi Auto-Sync** – Simply copy your router's Wi-Fi settings and apply any changes across the secure powerline network with Wi-Fi Clone and Wi-Fi Move
- **TP-Link tpPLC** – Allows you to easily manage your network using the intuitive tpPLC App or the tpPLC Utility
- **Plug, Pair, and Play** – Quickly set up a secured Powerline network

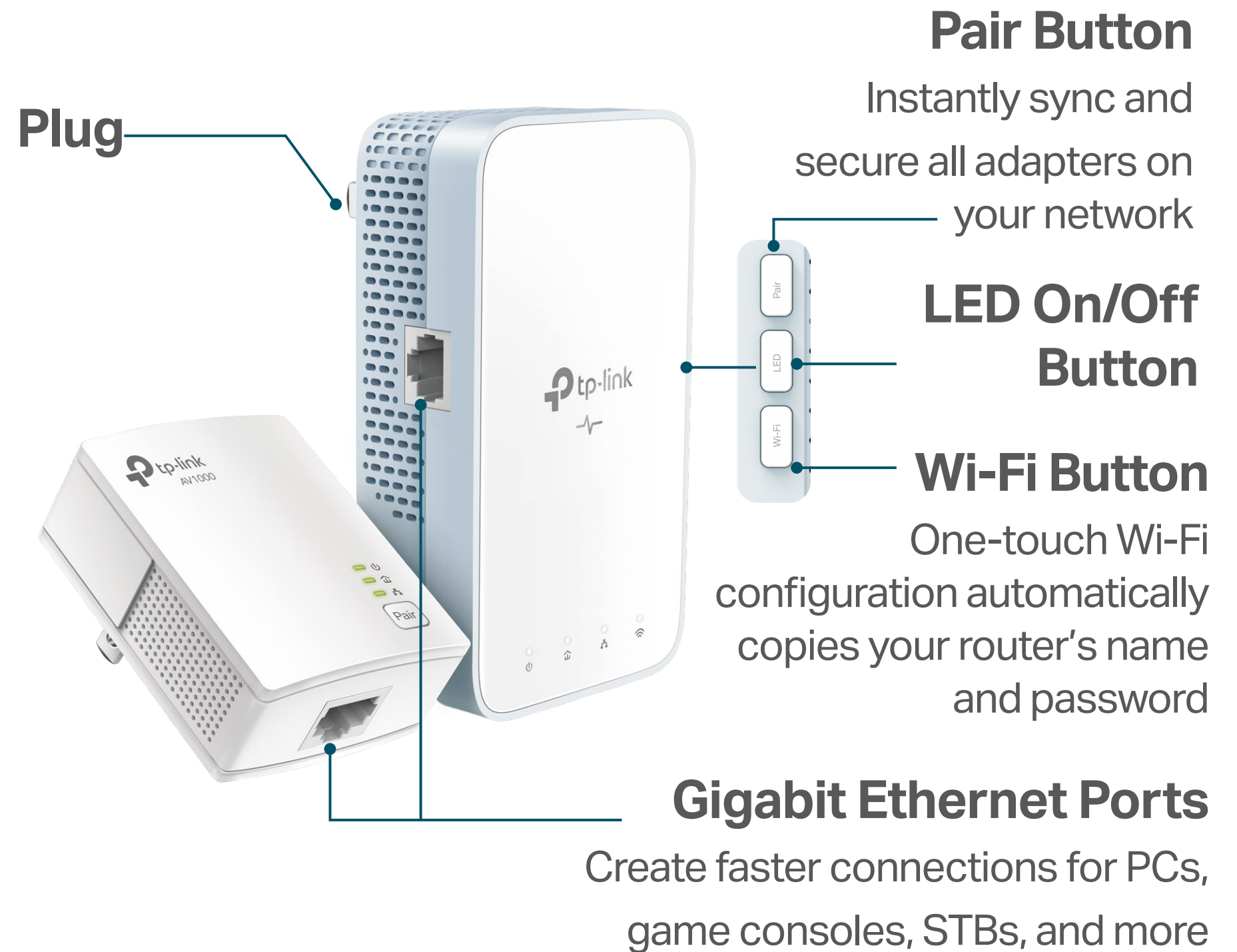
## Security

- **Pair Button** – Provides a connection with 128-bit AES encryption, at the touch of a "Pair" button
- **Parental Controls** – Manage when and how connected devices can access the internet
- **Encryptions for Secure Network** – WPA-PSK / WPA2-PSK encryptions provide active protection against security threats

# Specifications

## Hardware

- Transmission Speeds:
  - Powerline: Up to 1000 Mbps
  - Ethernet: 10/100/1000 Mbps
- Standards and Protocols:
  - HomePlug AV2, HomePlug AV, 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: TL-WPA7517: 1 Ethernet Port; TL-PA7017: 1 Ethernet Port
- Plug Type: US
- Button: Pair, Reset, Wi-Fi Clone, LED On/Off
- LED Indicator: Power, Powerline, Ethernet, Wi-Fi (2.4GHz), Wi-Fi (5GHz)
- Dimensions (W x D x H):
  - TL-WPA7517: 2.7 × 1.4 × 4.9 in. (69.5 × 35 × 124.1 mm)
  - TL-PA7017: 2.0 × 1.1 × 2.6 in. (52 × 28.5 × 65 mm)
- IGMP: IGMP v1/v2/v3
- Power Consumption:
  - TL-WPA7517: Maximum: 11.0W, Typical: 6.5W
  - TL-PA7017: Maximum: 2.9W, Typical: 2.6W
- Range: Up to 300 meters/1000 feet over existing electrical wiring
- Compatibility:
  - Compatible with all HomePlug AV & AV2 standard powerline adapters



# Specifications

## Software

- Modulation Technology: OFDM

- Security:

Wireless: WPA-PSK / WPA2-PSK, WEP Encrptions

Powerline: 128-bit AES Encryption

- Management Tools:

tpPLC: 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

AV1000 Powerline Wi-Fi Kit: TL-WPA7517 & TL-PA7017

Ethernet Cable × 2

Quick Installation Guide

- Certification

FCC, 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



For more information, please visit  
<http://www.tp-link.com/en/products/details/TL-WPA7517-KIT.html>  
or scan the QR code on the left.

<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.

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.