tp-link

AX3000 Gigabit Wi-Fi 6 Access Point

Next-Gen Wi-Fi for More Devices

TL-WA3001

2402 Mbps 5 GHz + 574 Mbps 2.4 GHz†

PoE Flexible Deployment with Passive PoE

160 MHz 160 MHz Channel Bandwidth

Captive Portal Marketing

WPA3 WPA3 Encryption*

Highlights

Multiple Opeartion Modes

TL-WA3001 supports multiple operation modes: Access Point, Client, Range Extender, and Multi-SSID (VLAN Support) modes to meet any network need.
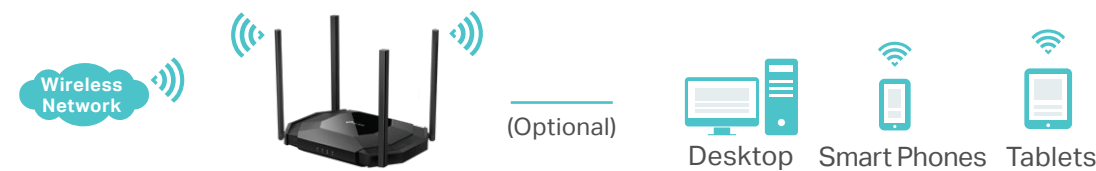
Access Point Mode (Default Mode)
Transforms your existing wired network into a wireless network

Wired Network

Smart Phones   Tablets   Laptops

Range Extender Mode
Extends your existing wireless coverage by repeating the wireless signal

Wireless Network

(Optional)

Desktop   Smart Phones   Tablets

Client Mode
Acts as a "Wireless Adapter" to connect your wired device (e.g. Xbox/PS3) to a wireless network

Wireless Network

Game Console or IPTV

Multi-SSID Mode
Simultaneously supports up to four separate SSIDs and VLANs on each band, making it ideal for offices where different departments with different access policies share a wireless network

Wired Network

SSID 1   SSID 2   SSID 3
For Office 1   For Office 2   For Office 3

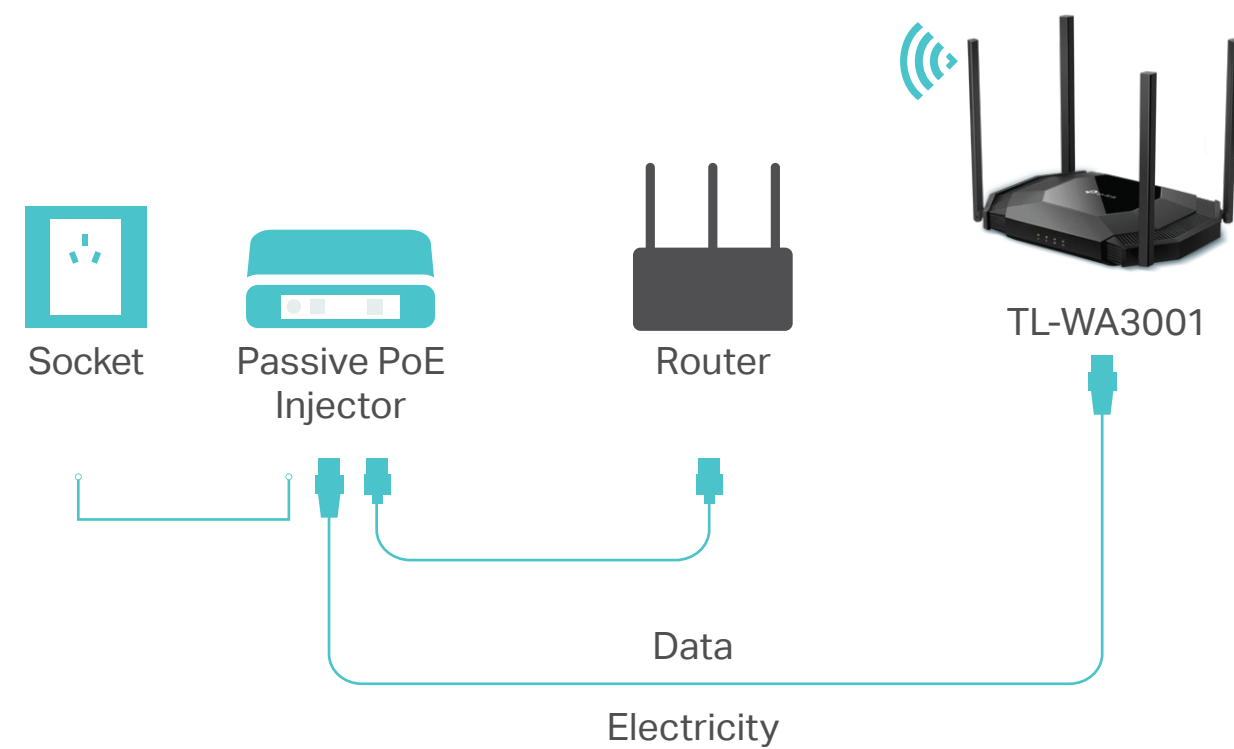## Captive Portal Marketing, Designed for Small Businesses

Captive Portal offers unique marketing opportunities, especially for small businesses like cafes or pharmacies. Utilize a flexibly designed portal page—requiring customers to view an advertisement or accept a set of terms for internet access—to improve brand awareness or deliver marketing messages.
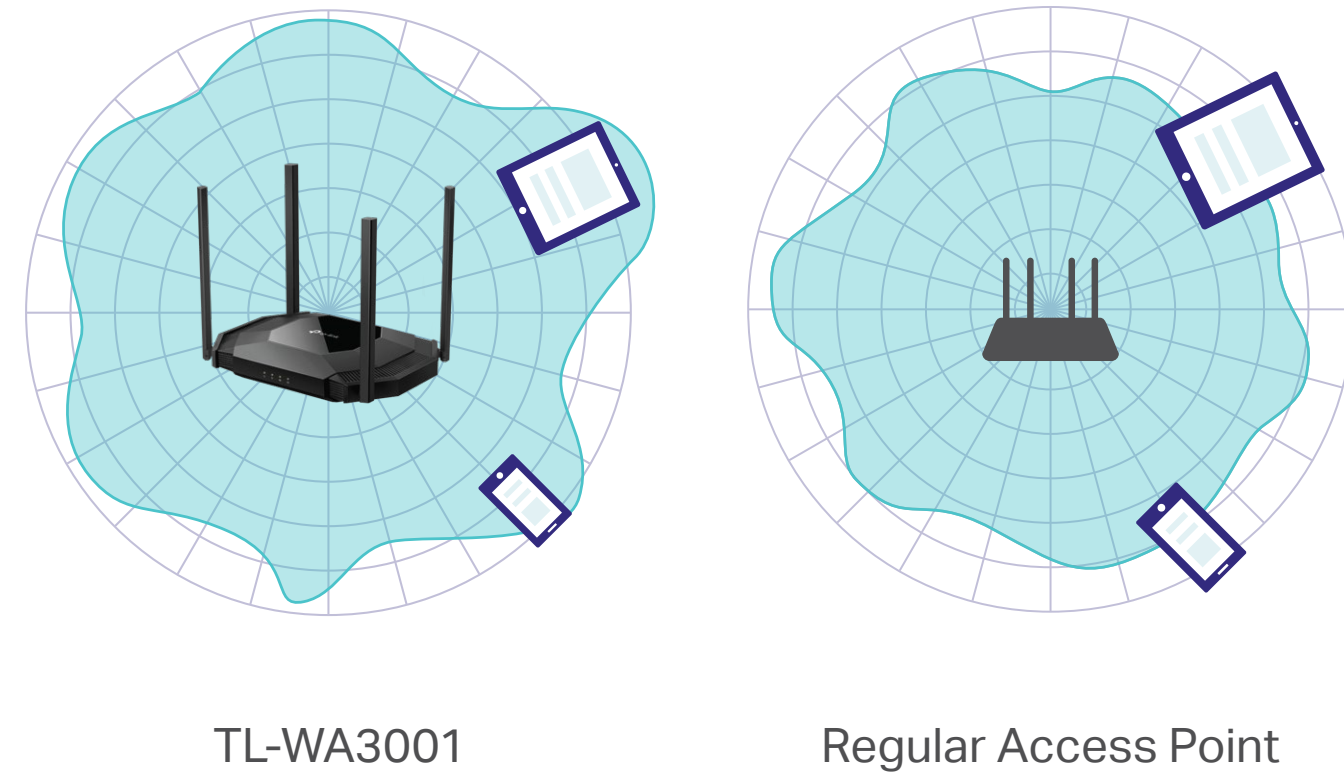
Highlights

Passive PoE for More Flexible Deployment

The TL-WA3001 can be powered using an Ethernet cable to simultaneously send data and electricity to wherever your Acess Point may be located even up to 100 feet away.**

Socket

Passive PoE Injector

Router

TL-WA3001

Data

Electricity

Vast Wi-Fi Coverage

Beamforming technology concentrates Wi-Fi towards devices to create stronger connections. Four external antennas deliver Wi-Fi to every corner of your home[†].
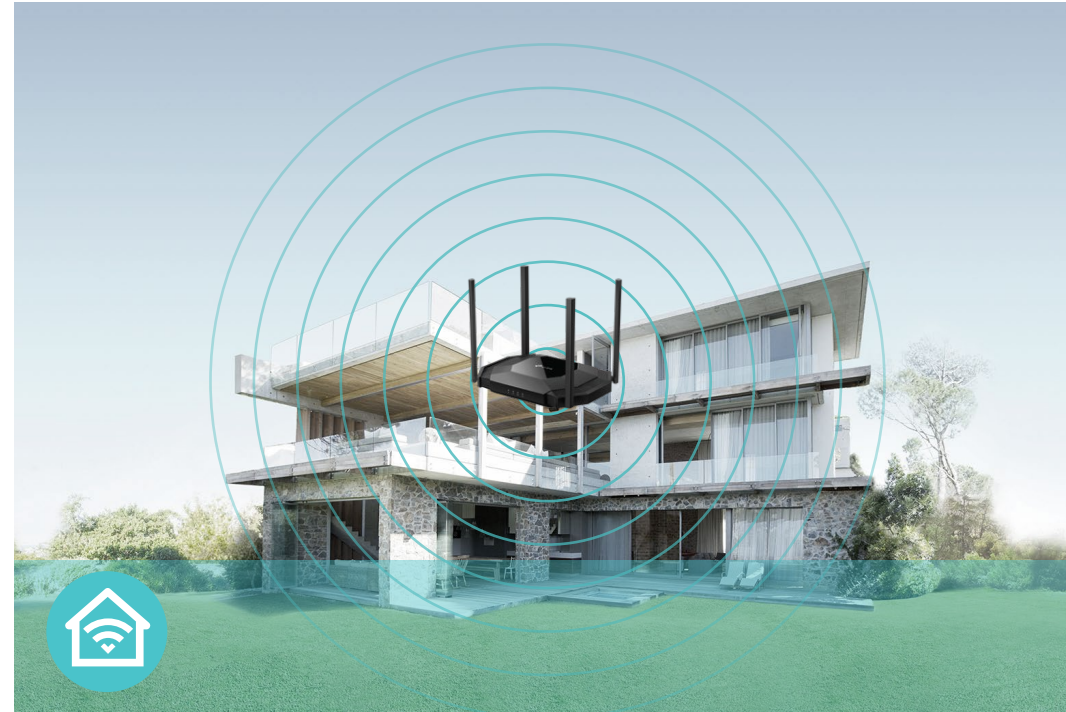
TL-WA3001

Regular Access Point

Features

Speed

· Ultimate Wireless Speed – 574 Mbps on 2.4 GHz + 2402 Mbps on 5 GHz[†]

· Gigabit Ethernet Port – Makes full use of the gigabit broadband speed

Wi-Fi Range

· Ultimate Range Wi-Fi – Four high-gain external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable

· Beamforming Technology – Sends targeted Wi-Fi signal to individual devices for stronger connections
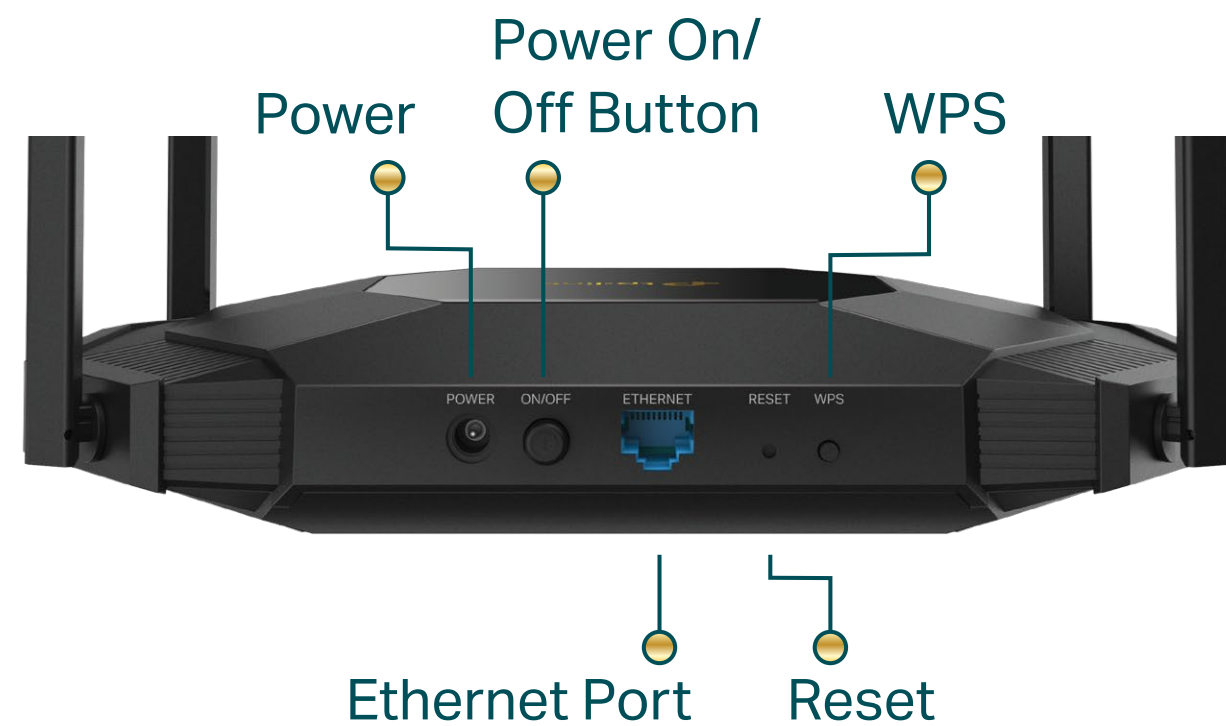
Ease of Use

· Multi-Mode – Supports Access Point, Client, Range Extender, and Multi-SSID (VLAN Support) modes to meet any network need

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

· WPS – Makes secure wireless connection quick and easy with the push of WPS button

· Quick Wi-Fi Sharing – Generates a QR code from Web UI to quickly share Wi-Fi with your guests

Specifications

Hardware

· **Port:** 1 Gigabit Port (Supports Passive PoE)

· **Buttons:** Power On/Off Button, WPS Button, Reset Button

· **Antennas:** 4 Fixed High Performance Antennas

· **External Power Supply:** 48V/0.5A

· **Dimensions (W x D x H):** 9.4×6.5×1.7 in (240×165×43.6mm)

Power On/
Off Button

Power

WPS

POWER   ON/OFF   ETHERNET   RESET   WPS

Ethernet Port   Reset

Wireless

· **Wireless:** IEEE802.11b/g/n/ax 2.4 GHz, IEEE 802.11a/n/ac/ax 5 GHz

· **Frequency:** 2.4 GHz and 5 GHz

· **Signal Rate:** 2402 Mbps at 5 GHz, 574 Mbps at 2.4 GHz

· **Transmit Power:**
  FCC: <23dBm(2.4GHz), <22dBm(5GHz)

· **Reception Sensitivity:**
  5 GHz:
  11ax HE20 MCS0:-97dBm, 11ac VHT20 MCS9:-73dBm, 11ax HE20 MCS11:-67dBm
  11ax HE40 MCS0:-94dBm, 11ac VHT40 MCS9:-70dBm, 11ax HE40 MCS11:-63dBm
  11ax HE80 MCS0:-91dBm, 11ac VHT80 MCS9:-66dBm, 11ax HE80 MCS11:-60dBm
  11ac VHT160 MCS9:-63dBm, 11ax HE160 MCS11:-58dBm
  2.4 GHz:
  11ac VHT20 MCS0:-97dBm, 11ac VHT20 MCS8:-73dBm, 11ax HE20 MCS11:-65dBm
  11ac VHT40 MCS0:-93dBm, 11ac VHT40 MCS9:-69dBm, 11ax HE40 MCS11:-62dBm

· **Wireless Function:**
  Enable/Disable Wireless Radio, WMM, Wireless Statistics, Access Control

· **Wireless Security:**
  WPA, WPA2, WPA3, WPA/WPA2-Enterprise encryptions

· **DHCP:**
  DHCP Server, DHCP Client List

Specifications

Software

- Quality of Service: WMM

- DHCP: Server, DHCP Client List

- Wireless Modes: Access Point, Range Extender, Client, Multi-SSID

- Protocols: IPv4, IPv6

- System Tools: SNMP, Ping Watchdog

Others

- Certification:

  FCC, RoHS

- System Requirements:

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

- Environment:

  Operating Temperature: 0℃ ~ 40℃(32°F ~ 104°F)

  Operating Humidity: 10%~90% non-condensing

- Package Contents

  Wireless Access Point TL-WA3001

  Power Adapter

  RJ45 Ethernet Cable

  Quick Installation Guide

  PoE Power Injector

For more information, please visit

https://www.tp-link.com/products/details/?model=TL-WA3001

or scan the QR code left

†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.
˙Use of WPA3 requires clients to also support the corresponding feature.
˙˙Only the Ethernet cable of UTP or higher specifications can reach 100 feet.
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