tp-link

Wi-Fi 6

Ideal For **Small Business**

4-in-1
Access Point · Range Extender · Client · Multi-SSID

AX3000
Dual Band Gigabit Wireless 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
- Beamforming for Greater Coverage
- Captive Portal Marketing
- **WPA3** WPA3 reinforces Wi-Fi encryption for improved security [*]

Highlights

Wi-Fi 6 — Faster. Broader. Unstoppable.

Based on the next generation 802.11ax Wi-Fi technology, TL-WA3001 takes your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

8K — Super Fast Wi-Fi
Enjoy full access to 8K streaming and high-speed downloading with HE160 on the 5 GHz band providing doubled bandwidth.‡

Connect Numerous Devices
Allow more applications to run at the same time. OFDMA transmits data to multiple devices simultaneously across 4 streams, drastically reducing latency.‡

Smart Power Saving
Conserve the power of your mobile devices by scheduling the connection time of battery-powered devices with Target Wake Time.‡
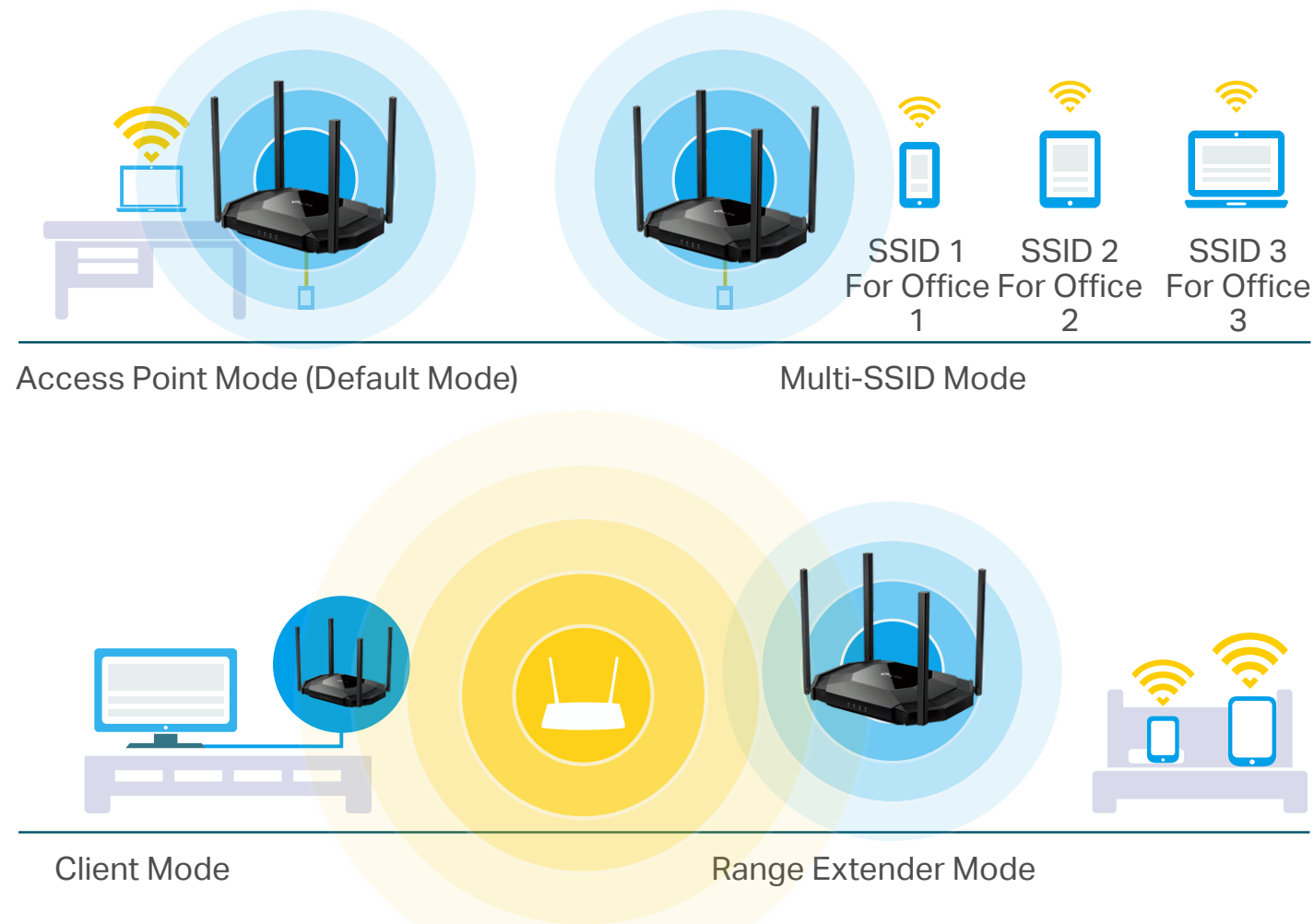
Backwards Compatible
Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

Multi-Mode 4 in 1

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)

Multi-SSID Mode

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

Client Mode

Range Extender Mode

Highlights

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.
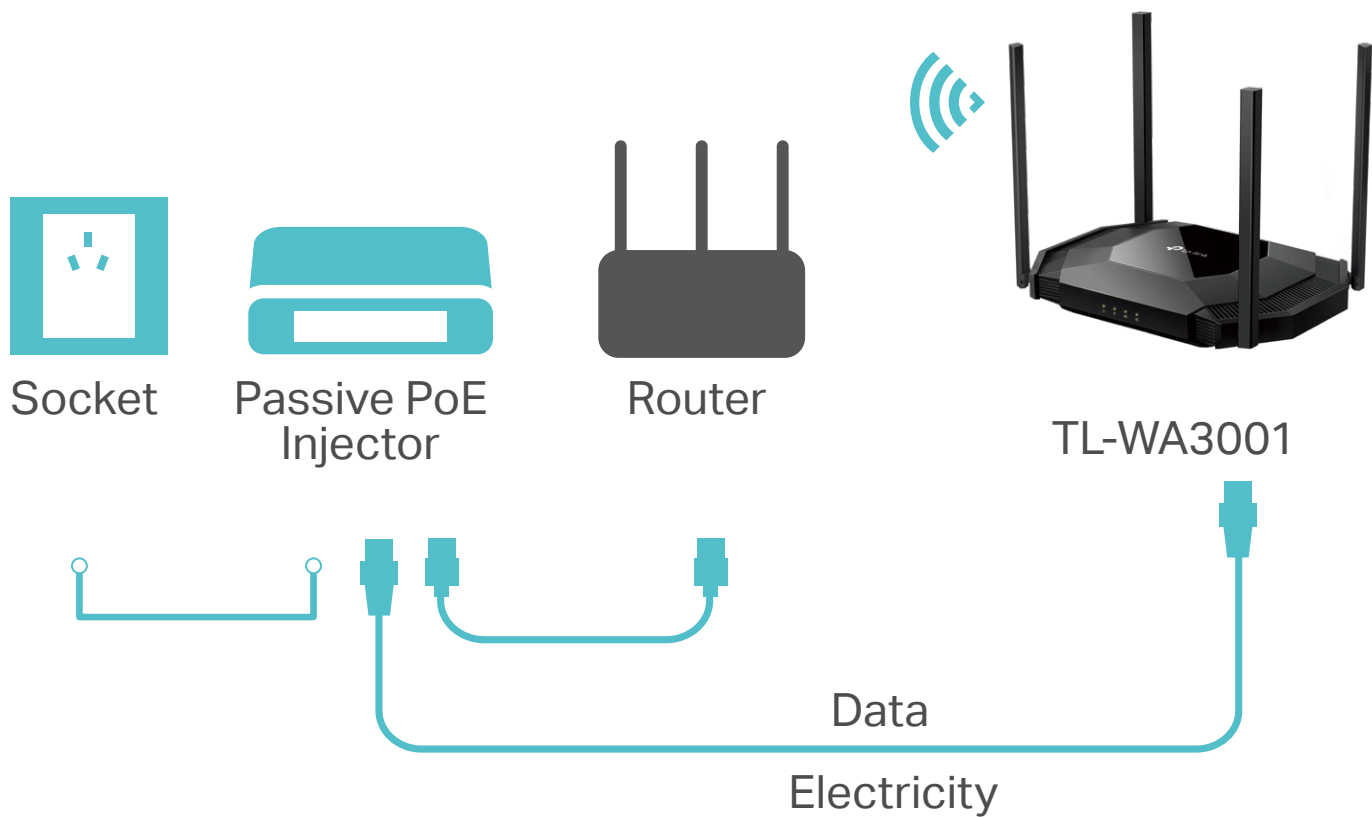
WPA3 Security

The latest Wi-Fi security protocol, WPA3, brings new capabilities to improve cybersecurity. More secure encryption in Wi-Fi password safety and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi.*
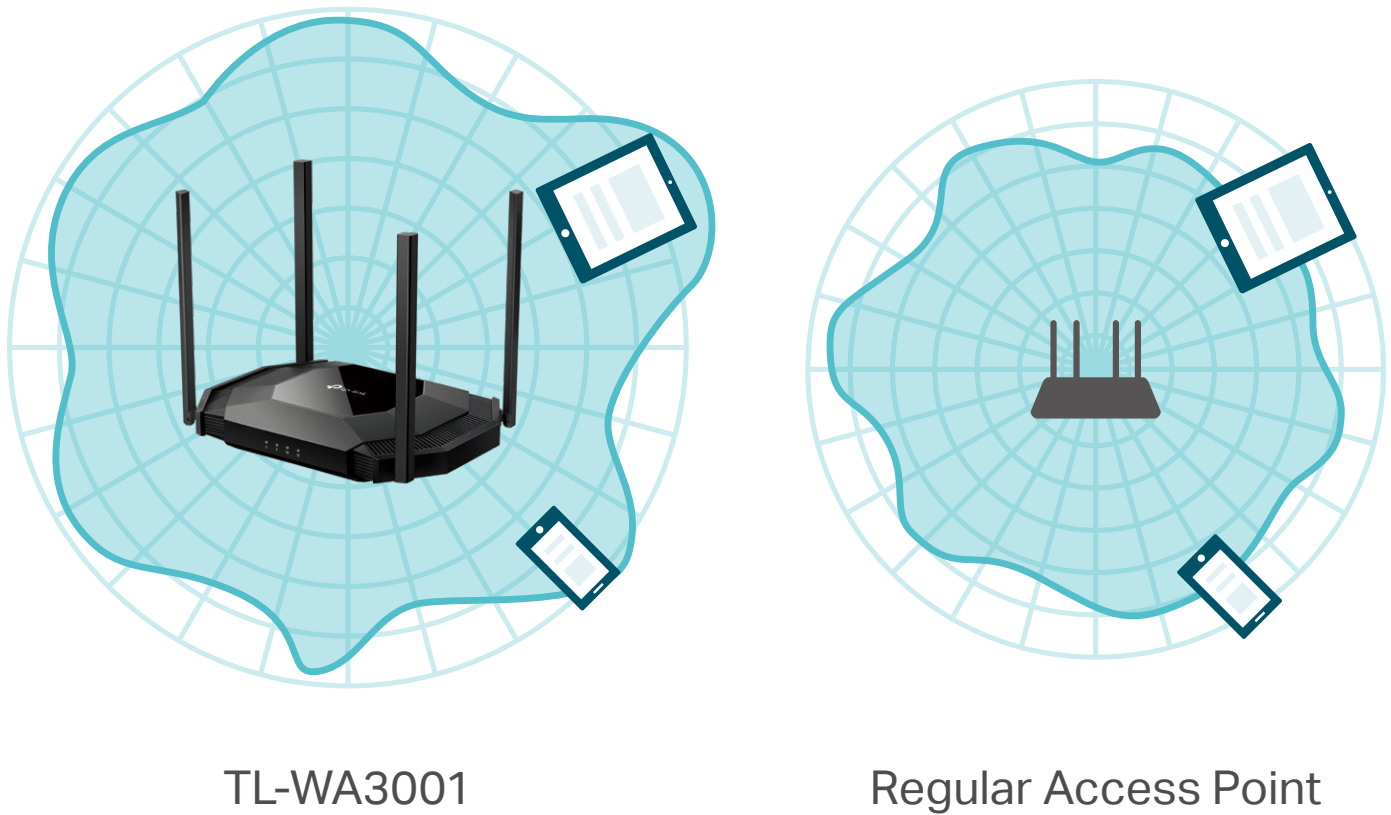
Highlights

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 Access 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[†].
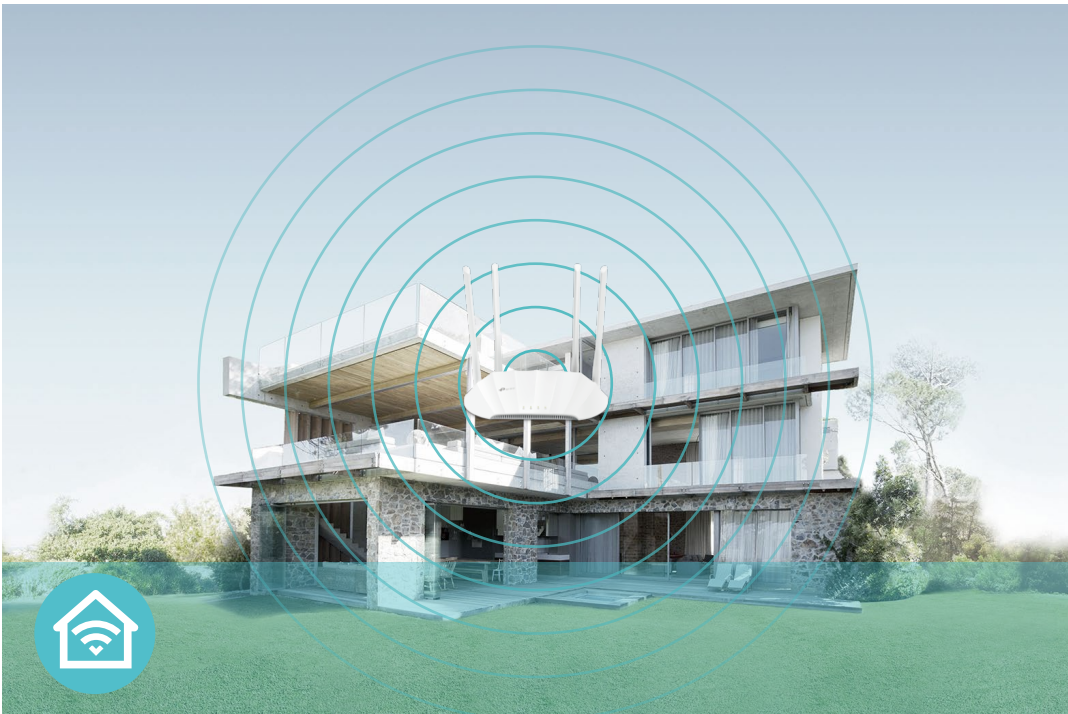
TL-WA3001

Regular Access Point

Features

Speed

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

· Gigabit Ethernet Port – Make 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

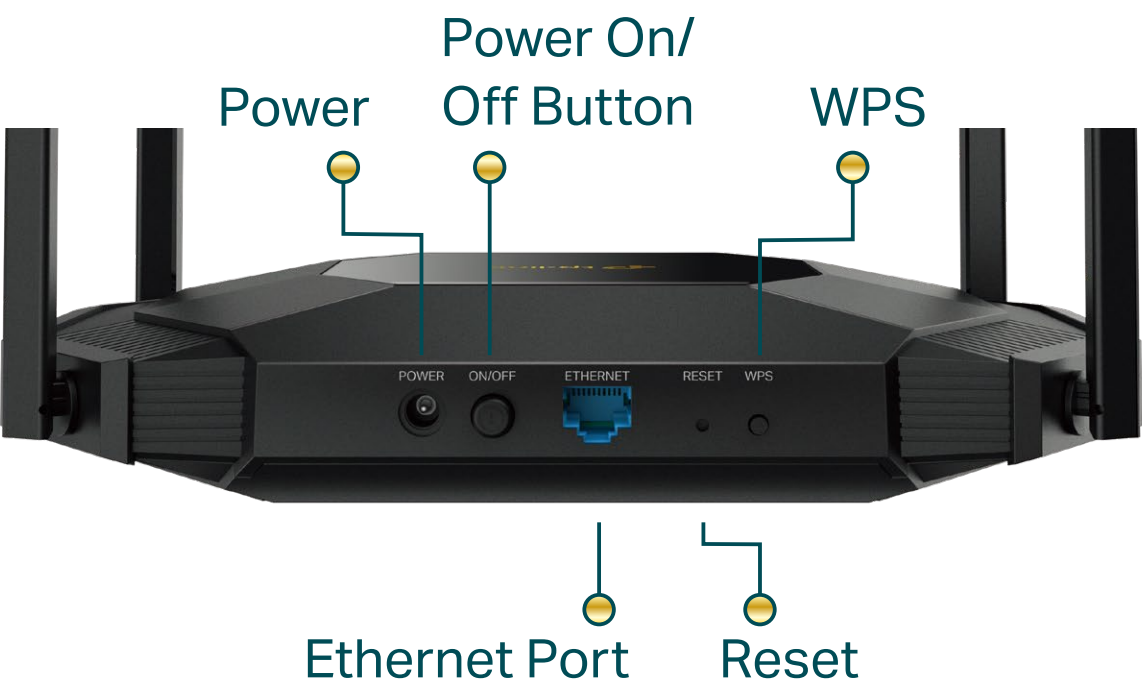· Beamforming Technology – Sends targeted Wi-Fi signal to individual devices for stronger connections

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 a WPS button

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

Specifications

Hardware

- Ethernet Port: 1 Gigabit Port (Supports Passive PoE)
- Buttons: Power On/Off Button, WPS Button, Reset Button
- Antennas: 4 Fixed High Antennas
- External Power Supply: 48 V / 0.375 A
- Dimensions (W x D x H): 9.4x6.5x1.7 in (240x165x43.6mm)

Power · Power On/ Off Button · 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 on 5 GHz + 574 Mbps on 2.4 GHz[†]
- Transmit Power:
  CE: <20dBm(2.4GHz), <23dBm(5.15GHz~5.35GHz), <30dBm(5.47GHz~5.725GHz)
  FCC: <30dBm(2.4GHz&5.15GHz ~5.25&5.725GHz~5.825GHz)
- 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

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 Watch Dog

Others

- Certification:

  CE, FCC, RoHS
- System Requirements:

  Edge, Firefox, Chrome, Safari, or other JavaScript-enabled browser
  *You are recommended to use the latest version

  Cable or DSL Modem (if needed)

  Subscription with an internet service provider (for internet access)
- Environment:

  Operating Temperature: 0°C ~ 40°C(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_V1.2
or scan the QR code left

www.tp-link.com

TP-Link   AX3000 Gigabit Wi-Fi 6 Access Point   TL-WA3001