



# AX1800 Gigabit Wi-Fi 6 Access Point

Dual Band & Gigabit Port



TL-WA1801



1201 Mbps 5 GHz  
574 Mbps 2.4 GHz†



Flexible Deployment  
with Passive PoE



Beamforming for  
Greater Coverage



Refined Security  
with WPA3\*

# Highlights

## Multiple Operation modes

TL-WA1801 supports multiple operation modes: Access Point, Range Extender, Client and Multi-SSID (VLAN Support) modes to meet any network need.

### Access Point Mode (Default Mode)

Transform your existing wired network into a wireless network



### Range Extender Mode

Extend your existing wireless coverage by repeating the wireless signal



### Client Mode

Acting as a "Wireless Adapter" to connect your wired devices (e.g. Xbox/PS3) to a wireless network



### 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



## 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 terms for internet access—to improve brand awareness or deliver marketing messages.

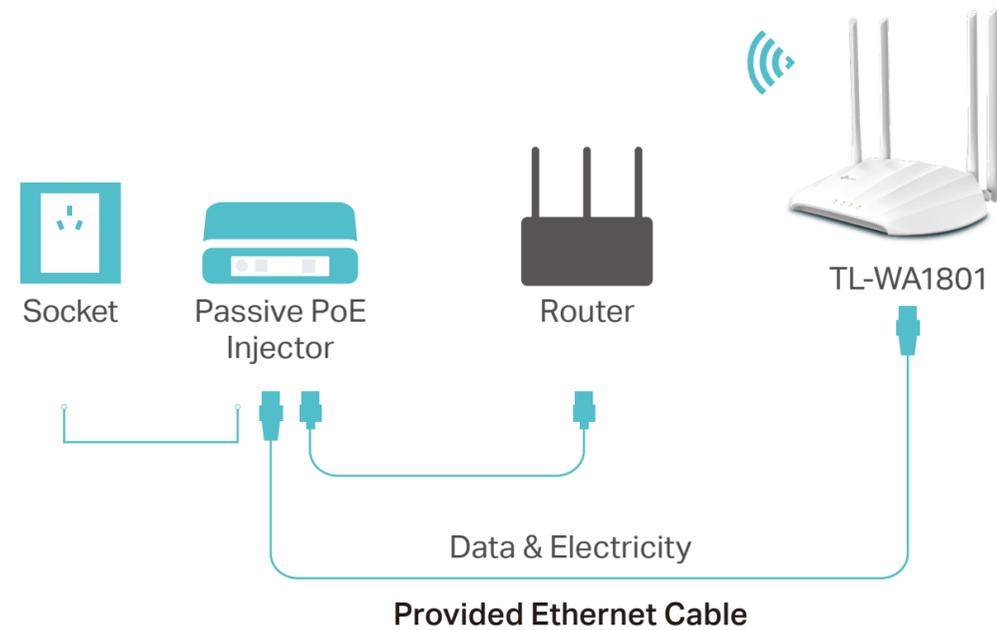


# Highlights

## Passive PoE for More Flexible Deployment

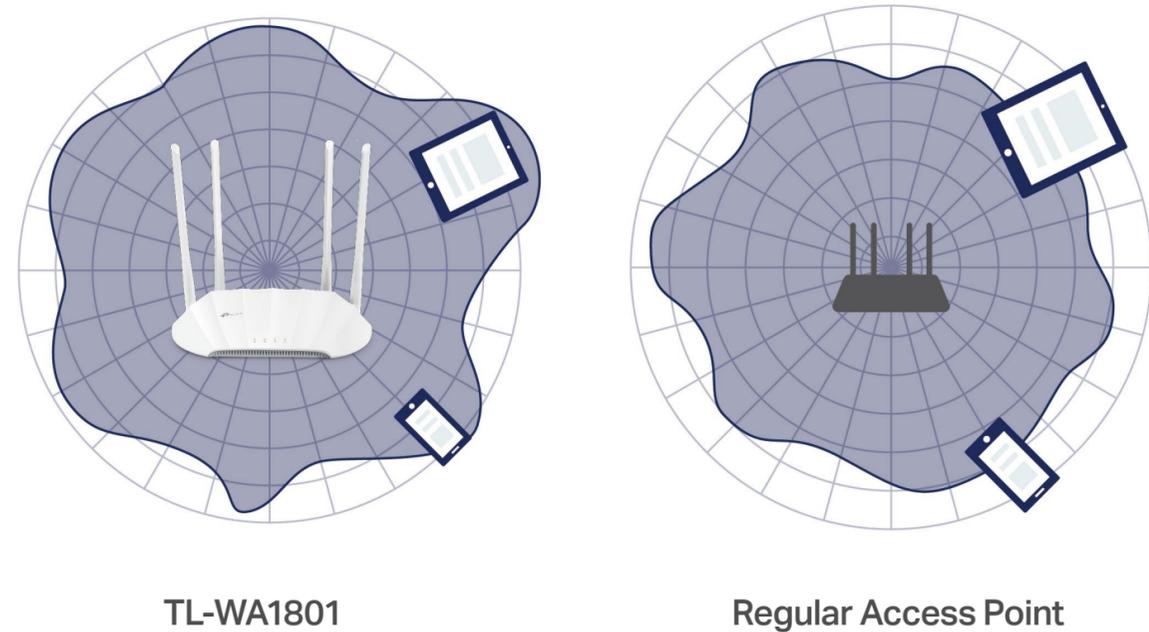
The TL-WA1801 can be powered using an Ethernet cable to simultaneously send data and electricity to wherever your Access Point may be located even up to 100 feet away.

\*Use the Ethernet cable (included in the box) to connect your Access Point and the passive PoE injector.



## 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†.

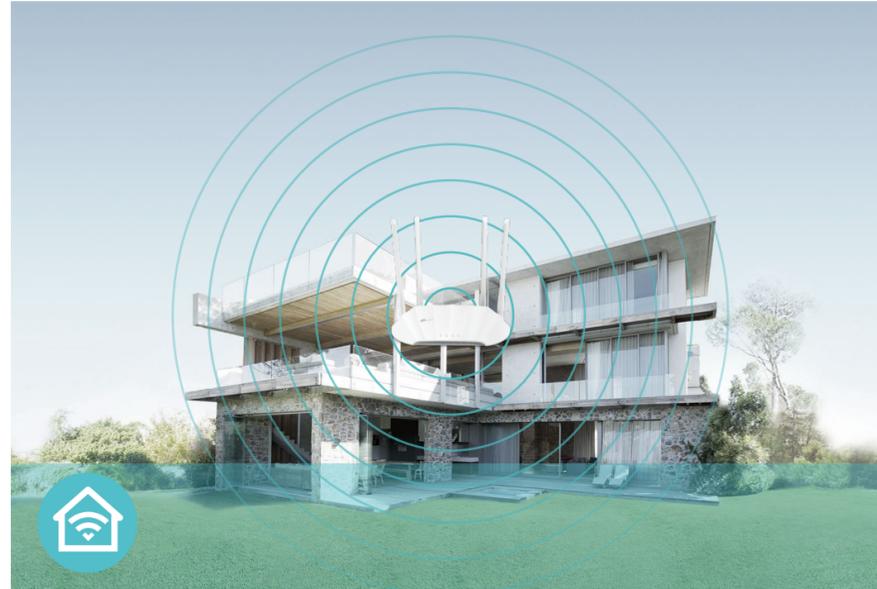


# Features



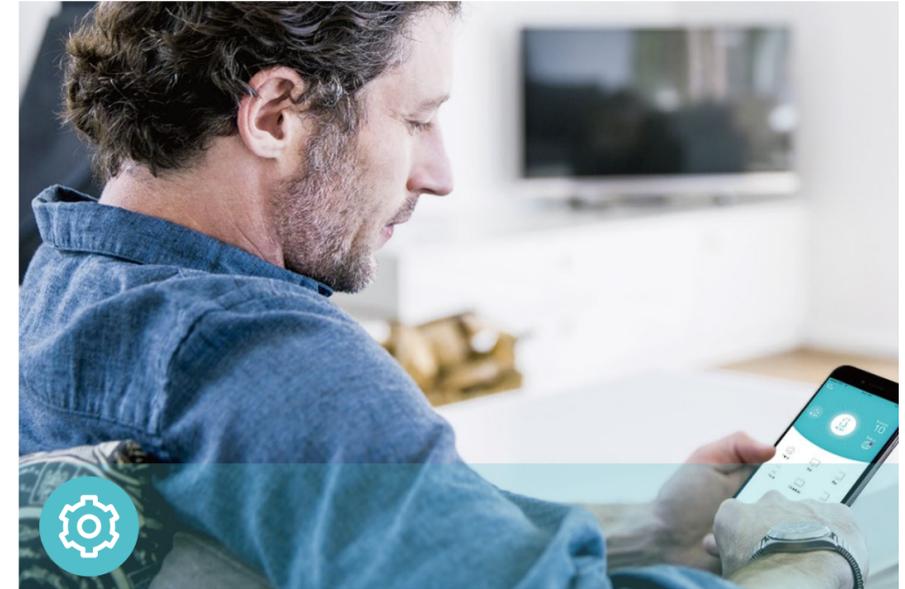
## Speed

- Ultimate Wireless Speed – 1201 Mbps at 5 GHz + 574 Mbps at 2.4 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



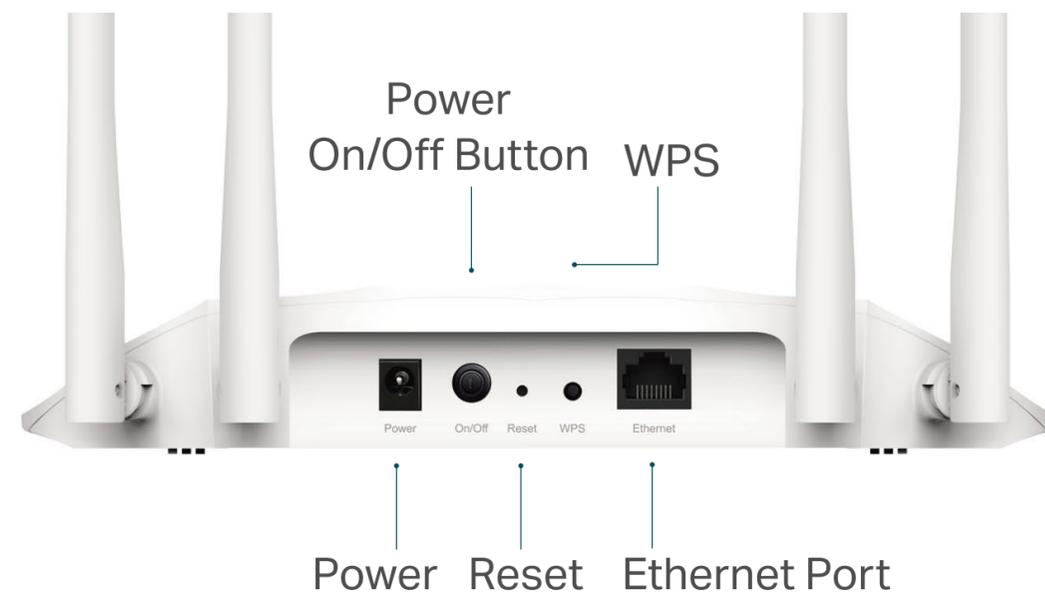
## Ease of Use

- Multi-Mode – Supports Access Point, Range Extender, Client 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 10/100/1000 Mbps Ethernet Port (Supports Passive PoE)
- Buttons: Power On/Off Button, WPS Button, Reset Button
- Antennas: 4 Fixed High Performance Antennas
- External Power Supply: 48V/0.375A
- Dimensions (W x D x H): 8.9x5.7x1.5 in (225x145.5x37mm)



## 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: 1201 Mbps at 5 GHz, 574 Mbps at 2.4 GHz
- Transmit Power:
  - CE: <20dBm(2.4GHz), <23dBm(5.15GHz~5.25GHz)
  - FCC: <30dBm(2.4GHz&5GHz)
- Reception Sensitivity:
  - 5 GHz:
    - 11a 6 Mbps: -97 dBm, 11a 54 Mbps: -76 dBm
    - 11ax HE20(MCS0): -96 dBm, 11ax HE20(MCS11): -65 dBm
    - 11ac VHT40(MCS0): -93 dBm, 11ac VHT40(MCS9): -67 dBm
    - 11ax HE80(MCS0): -90 dBm, 11ax HE80(MCS11): -60 dBm
  - 2.4 GHz:
    - 11g 54Mbps: -75 dBm
    - 11ax HE20(MCS0): -95 dBm, 11ax HE20(MCS11): -65 dBm
    - 11ax HE40(MCS0): -92 dBm, 11ax HE40(MCS11): -62 dBm
- Wireless Function:
  - Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics, Wireless Multicast Forwarding, DHCP Server, Access Control
- Wireless Security:
  - WPA/WPA2, WPA-PSK/WPA-PSK2, WPA3 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:  
Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser
- Environment:  
Operating Temperature: 0°C ~ 40°C(32°F ~ 104°F)  
Storage Temperature: -40°C ~ 70°C (-40°F ~ 158°F)  
Operating Humidity: 10%~90% non-condensing  
Storage Humidity: 5%~90% non-condensing
- Package Contents  
Wireless Access Point TL-WA1801  
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-WA1801>

or scan the QR code left

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\*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 MU-MIMO requires clients to also support MU-MIMO.

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

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