

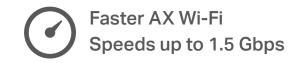


# AX1500 Next-Gen Wi-Fi 6 Router

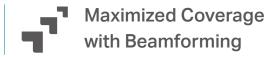
Next-Gen Wi-Fi For More Devices













# Highlights

#### 802.11 AX Future-Proof Your Wi-Fi



#### Next-Gen Faster Wi-Fi

1024-QAM brings the speed of a 2×2 connection to the gigabit level – 1201 Mbps – reducing wait time by 30% while downloading huge files including 4K movies games.\*



#### **Smooth Streaming**

OFDMA allows clients to transmit both on uplink and downlink sharing one band at one time, which cuts the latency and jittering.<sup>‡</sup>



#### Save Clients' Power

Target Wake Time helps negotiate when and how clients will wake up to send or receive data. Mobile devices consume less power, prolonging battery life.<sup>‡</sup>

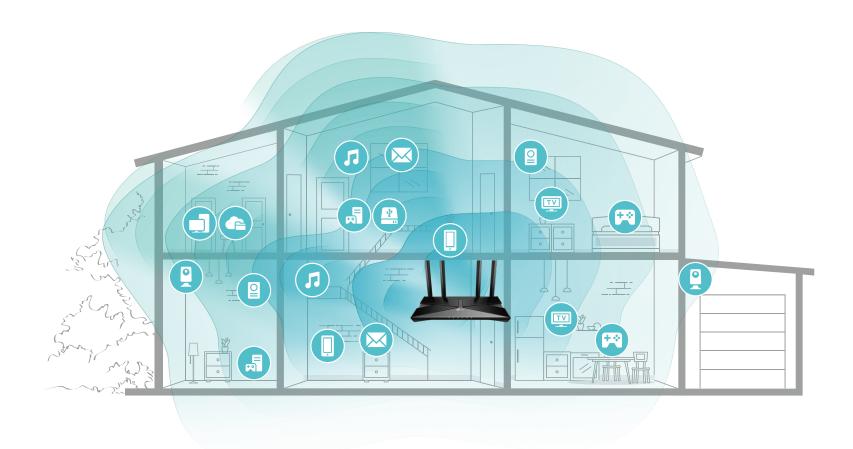


#### **Backwards Compatible**

Archer AX1500 benefits existing Wi-Fi devices and is backward compatible with 802.11a/b/g/n/ac Wi-Fi standards.

### Improved Efficiency, More Connections

Add more Wi-Fi devices to your network without dragging the performance, as Archer AX1500 with Wi-Fi 6 builds a more efficient network that increases the average throughput by 4 times and serves more devices.§



# Highlights

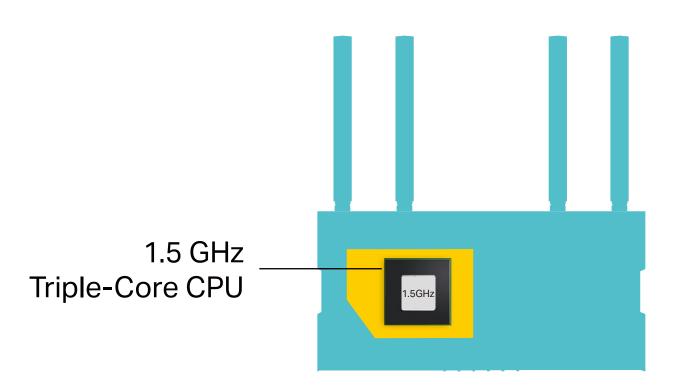
### **Boosted Coverage**

Four high-gain antennas and Beamforming transmit Wi-Fi signals to every corner of your home and concentrate signals strength towards connected devices. Wi-Fi 6 adjusts the bandwidth of sub-channels, making signals clearer and ensuring larger coverage.<sup>†</sup>



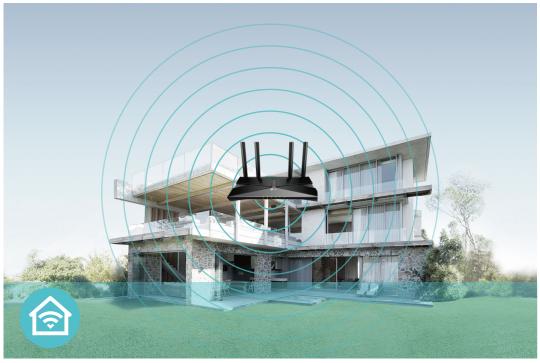
### Stable Triple-Core CPU

Every click you make, responds quicker. A 1.5 GHz triple-core CPU handles data throughput up to multi-gigs and minimizes the latency within your home network, delivering you a smooth experience.



### **Features**







### Speed

- · AX Tech 802.11ax (also known as Wi-Fi 6) features advanced technologies including OFDMA and 1024QAM, drastically increasing the speed and efficiency of the entire network
- Ultimate Wireless Speed 300 Mbps on 2.4 GHz (802.11n) + 1201 Mbps on 5 GHz (802.11ax)
- 1.5 GHz triple-core CPU Handles data throughput up to multi-gigs and minimizes the latency withinyour home network
- Gigabit Internet Access Take full advantages of broadband speeds up to 1 Gbps

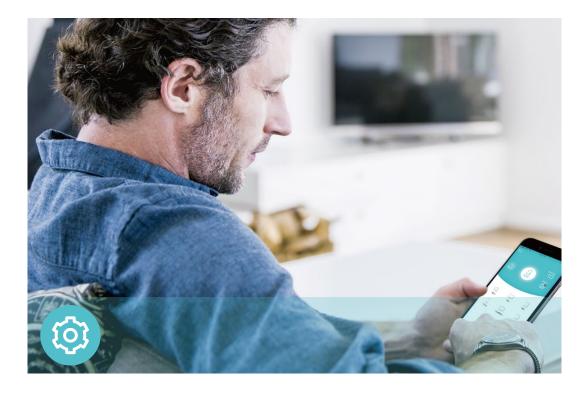
### Wi-Fi Range

- Ultimate Range Wi-Fi Four external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable
- Beamforming Technology Concentrates Wi-Fi signals towards individual devices to ensure stronger connections

### Reliability

- VPN Support Safely reach files in local NAS, wherever you are, with secure OpenVPN and PPTP VPN server
- · Smart Connect Intelligently switches each device's connection to the optimum available Wi-Fi band
- · Airtime Fairness Balances bandwidth of connected devices to improve overall throughput and efficiency
- Quality of Service Prioritizes devices for optimum performance when needed

### Features





#### Ease of Use

- · Intuitive Web UI Ensures quick and simple Installation without hassle
- Fast Encryption One-touch WPA wireless security encryption with the WPS button
- · Easy On/Off Turn on/off wireless function using the Wi-Fi button
- · Power On/Off Conveniently power on or off your router as required
- Hassle-free Management with Tether App Network management is made easy with the TP-Link Tether App, available on any Android and iOS device

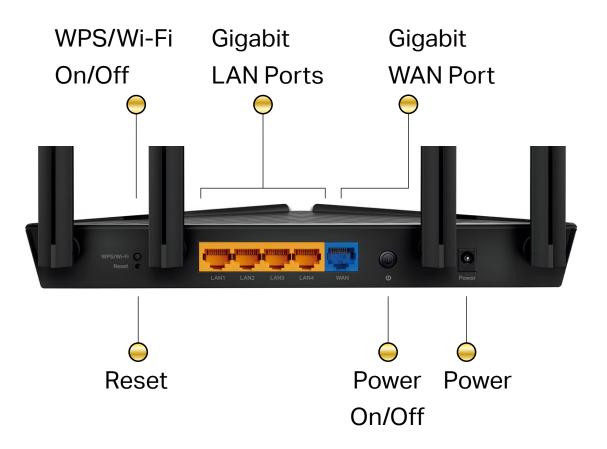
### Security

- · Guest Network Provides separate access for guests to secure the home network
- Access Control Establishes a whitelist or blacklist to allow or restrict certain devices to access the internet
- Parental Controls Restricts internet access time and contents for children devices
- Encryptions for Secure Network WPA-PSK and WPA2-PSK encryptions provide active protection against security threats

# Specifications

#### Hardware

- Ethernet Ports: 1 x Gigabit WAN Port, 4 x Gigabit LAN Ports
- · Hardware: 1.5 GHz Triple-Core CPU
- · Buttons: WPS/Wi-Fi Button, Power On/Off Button, Reset Button
- · Antennas: Four External Antennas
- External Power Supply: 12V/1A
- · Dimensions (W x D x H): 10.2 × 5.3 × 1.5 in (260.2 × 135.0 × 38.6 mm)



#### Wireless

- · Wireless: 1201 Mbps (5 GHz, 11ax) + 300 Mbps (2.4 GHz, 11n), compatible with 11a/b/g/n/ac Wi-Fi standards
- · Frequency: 2.4 GHz and 5 GHz
- · Transmit Power:

FCC:<30dBm(2.4 GHz & 5.15 GHz~5.825 GHz)

· Reception Sensitivity:

5 GHz:

11a 6Mbps:-97dBm, 11a 54Mbps:-79dBm

11ac VHT20\_MCS0:-96dBm, 11ac VHT20\_MCS11:-66dBm

11ac VHT40\_MCS0:-94dBm, 11ac VHT40\_MCS11:-63dBm

11ac VHT80\_MCS0:-91dBm, 11ac VHT80\_MCS11:-60dBm

11ax HE20\_MCS0:-95dBm, 11ax HE20\_MCS11:-63dBm

11ax HE40\_MCS0:-92dBm, 11ax HE40\_MCS11:-60dBm

11ax HE80 MCS0:-89dBm, 11ax HE80 MCS11:-58dBm

2.4 GHz:

11g 6Mbps:-91dBm, 11a 54Mbps:-74dBm

11n HT20\_MCS0:-90dBm, 11n HT20\_MCS7:-73dBm

11n HT40\_MCS0:-88dBm, 11n HT40\_MCS7:-70dBm

- · Wireless Function: Enable/Disable Wireless Radio, WMM
- · Wireless Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions

## **Specifications**

#### Software

- · Quality of Service: Device Prioritisation
- · WAN Type: Dynamic IP/Static IP/PPPoE/PPTP(Dual Access)/L2TP(Dual Access)
- · Management: Access Control, Local Management, Remote Management
- · DHCP: Server, DHCP Client List, Address Reservation
- · Port Forwarding: Port Forwarding, Port Triggering, UPnP, DMZ
- · Dynamic DNS: DynDns, NO-IP, TP-Link
- · Access Control: Parental Controls, Local Management Control, Host List, White List, Black List
- · Firewall Security: SPI Firewall, IP and MAC Address Binding
- · Protocols: IPv4, IPv6
- · Guest Network: 2.4 GHz Guest Network, 5 GHz Guest Network
- · VPN Server: OpenVPN, PPTP VPN





For more information, please visit

<u> http://www.tp-link.com/products/details/Archer-AX1500.htm</u>

or scan the QR code left

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

Specifications are subject to change without notice. All the brands and product names are trademarks or registered trademarks of their respective holders.

†Maximum wireless signal rates are the physical rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless coverage and number of connected devices 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>‡</sup>Use of 802.11ax (Wi-Fi 6), and features including OFDMA, 1024-QAM, and Target Wake Time requires clients to also support corresponding features.

§4x average throughput refers to 4x increase in median throughput under dense environment (i.e. 8+ Wi-Fi 6 devices connected with combined speeds not higher than the ISP offers) compared to a 2×2 HT80 11ac wave 2 router.

\*Reduce downloading time by 30% is the improvement of 5 GHz speeds compared with a 2x2 HT80 11ac router. ©2020 TP-Link

#### **Others**

· Certification:

FCC, RoHS

· System Requirements:

Microsoft Windows 98SE/NT/2000/XP/Vista™/7/8/8.1/10, MAC OS, NetWare, UNIX or Linux

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

Cable or DSL Modem

Subscription with an internet service provider (for internet access)

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 Router Archer AX1500

Power Adapter

**RJ45 Ethernet Cable** 

Quick Installation Guide