

# AX6600 Tri-Band Wi-Fi 6 Router

Explore the New Era of Wi-Fi















# Highlights

### *Wi-Fi 6* Faster. Broader. Unstoppable.

The Archer AX90, based on the next generation 802.11ax Wi-Fi technology, takes your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

#### Unrivaled Tri-Band Speed

1024-QAM and HT160 boost overall speeds up to an incredible 6600 Mbps.\*

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#### 8 Streams for More Devices

Eight Wi-Fi streams utilize OFDMA and MU-MIMO to bring more available bandwidth and less congestion for all devices.\*

#### Save Smart Devices' Power

Target Wake Time schedules the connection time of battery-powered devices to reduce their power consumption.\*



#### **Backwards Compatible**

Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.\*

### **TP-Link HomeShield**

TP-Link's premium security services keep your home network safe with cutting -edge features for network and IoT protection.\*





Prioritize your bandwidth needs to get a faster networking experience.



Manage online time and block inappropriate content to keep families healthy online.



Gain full statistics and insights to help you know your home network better.

#### **Network Protection**

Detect cyber threats to keep your privacy and connected devices well protected.

#### Quality of Service (QoS)

#### **Parental Controls**

#### **Comprehensive Reports**

## Highlights

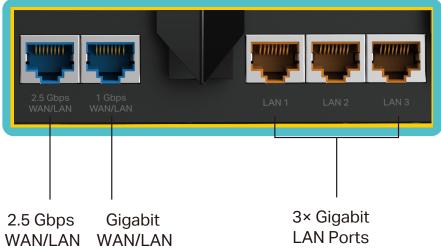
#### Flexible Whole-Home Wi-Fi

## Superior Connectivity

OneMesh<sup>™</sup> is a simple way to form a Mesh network with a single Wi-Fi name for seamless whole-home coverage. Connect a OneMesh™ range extender to Archer AX90 and never waste time searching for a stable connection again.

Archer AX90's 2.5 Gbps and 1 Gbps WAN/LAN ports offer you maximum flexibility and boost your total internet throughput. Three gigabit LAN ports give you full control and blistering data transfer speeds for peak performance.\*





## Features





- Wi-Fi 6 Technology Wi-Fi 6 (802.11ax) features advanced technologies, including OFDMA, MU-MIMO, HT160, and 1024-QAM, drastically increasing the speed and efficiency of your entire network<sup>\*</sup>
- OFDMA Provides 4× greater capacity for more simultaneous connections<sup>\*</sup>
- Next-Gen Wireless Speed 4804 Mbps (5GHz) + 1201 Mbps (5GHz) + 574 Mbps (2.4GHz)



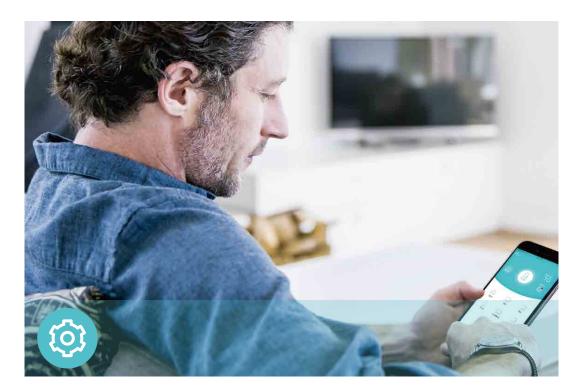
### Wi-Fi Range

- Ultimate Range Wi-Fi Eight high-gain external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable
   Secure VPN Access – Connects to a private network with a safe and secure OpenVPN and PPTP VPN connection
- Beamforming Technology Concentrates Wi-Fi signals towards individual devices to ensure stronger connections

### Reliability

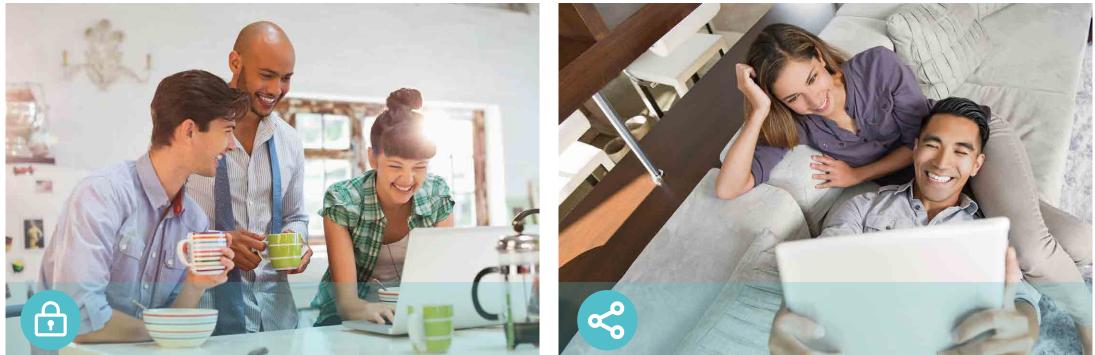
- Airtime Fairness Balances bandwidth of connected devices to improve overall throughput and efficiency
  - Smart Connect Intelligently switches each device's connection to the optimum available Wi-Fi band

## Features





- Intuitive Web UI Ensures quick and simple installation without hassle
- Fast Encryption One-touch WPA wireless security encryption with the WPS 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

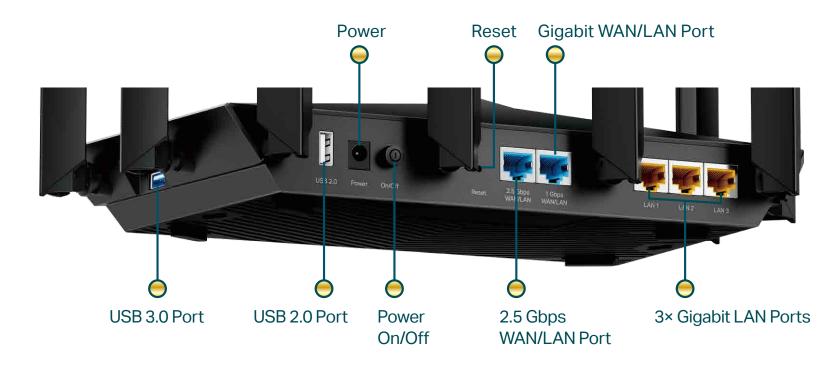
- Parental Controls Manage when and how connected devices
  USB Port Connects external storage devices to rapidly share files, photos, and videos
- Guest Network Provides separate access for guests to secure
  Built-in Media Server Allows you to play music, watch videos
  and view photos from any device on your network
- Access Control Establishes a whitelist or blacklist to allow or restrict certain devices to access the internet
- Encryptions for Secure Network WPA/WPA2-Personal, WPA2/WPA3-Personal, WPA/WPA2-Enterprise encryptions provide active protection against security threats

## Easy Sharing

## **Specifications**

### Hardware

- Wireless: 4804 Mbps (5 GHz) + 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)
- Antennas: 8× High-Performance Antennas
- Ethernet Ports: 1× 2.5 Gbps WAN/LAN Port +
- 1× Gigabit WAN/LAN Port + 3 × Gigabit LAN Ports
- USB Ports: 1× USB 3.0 Port + 1× USB 2.0 Port
- Dimensions: 12.2 × 8.1 × 6.8 in (310.9 × 206.9 × 173.7 mm)



### Wireless

- Frequency: 2.4 GHz and 5 GHz
- Transmit Power:

- · Reception Sensitivity: 2.4 GHz:
- 11n HT20 MCS0:-95dBm 11ax HE20 MCS11:-64dBm 11ax HE40 MCS11:-62dBm 5 GHz-1:
- 11ac VHT20 MCS0:-92dBm
- 11ax HE20 MCS11:-61dBm
- 11ax HE40 MCS11:-58dBm
- 11ax HE80 MCS11:-55dBm 5GHz-2:
- 11ac VHT20 MCS0:-95dBm
- 11ax HE20 MCS11:-61dBm
- 11ax HE40 MCS11:-58dBm
- 11ax HE80 MCS11:-55dBm
- 11ax HE160 MCS11:-53dBm

· Wireless: 4804 Mbps (5 GHz, 11ax) + 1201 Mbps (5 GHz, 11ax) + 574 Mbps (2.4 GHz, 11ax), compatible with 11a/b/g/n/ac Wi-Fi standards

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

CE: 2400 MHz -2483.5 MHz(20dBm); 5150 MHz -5250 MHz(23dBm); 5470 MHz -5725 MHz (27dBm)

Wireless Function: Enable/Disable Wireless Radio, WMM, Wireless Statistics

· Wireless Security: WPA/WPA2-Personal, WPA2/WPA3-Personal, WPA/WPA2-Enterprise

## **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
- NAT 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
- · USB Sharing: Supports Samba(Storage)/FTP Server/Media Server
- Guest Network: 2.4 GHz Guest Network, 5 GHz Guest Network
- · VPN Server: OpenVPN, PPTP VPN

### Others

- · Certification:
- FCC, CE, RoHS
- System Requirements: NetWare, UNIX or Linux
- Java-enabled browser
- Cable or DSL Modem
- Environment:
- Package Contents Wireless Router Archer AX90
- Power Adapter
- **RJ45 Ethernet Cable**
- Quick Installation Guide



#### For more information, please visit

http://www.tp-link.com/products/details/Archer-AX90.html

#### or scan the QR code left

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

'Use of Wi-Fi 6 (802.11ax), and features including OFDMA, MU-MIMO, 1024-QAM, and HT160 require clients to also support the corresponding features.

\*2.5 Gbps internet speeds require compatible service plans and equipment. 2.5 Gbps and Gigabit ports cannot be concurrently configured as WAN ports.

\*Saving clients' battery power requires clients to also support the 802.11ax Wi-Fi standard. Actual power reduction may vary as a result of network conditions, client limitations, and environmental factors. \*HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit tp-link.com/homeshield for more informatior

\*Use of WPA3 requires clients to also support the corresponding feature.

\*This router may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11ax specification.

\*Further software upgrades for feature availability may be required.

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

Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other

Subscription with an internet service provider (for internet access)

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

Operating Humidity: 10%~90% non-condensing

# Highlights

### WPA3 Security

## **Cutting-Edge Processing**

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.\*

A powerful 1.5 GHz quad-core CPU powers through multiple complex tasks and demanding applications with ease. Its processing power minimizes internal latency to keep your connections fast and uninterrupted.





