tp-link

802.11ax

AX6000 Next-Gen Wi-Fi Router

Faster. Broader.
Higher Capacity.



Archer AX6000

- 4804 Mbps 5GHz
  1148 Mbps 2.4GHz
- 2.5Gbps WAN Port
  Hi-Speed Internet Access
- OFDMA & MU-MIMO
  4X Higher Performance
- 1.8GHz Quad-Core CPU
  Top-Notch Processing

Highlights

802.11 AX Faster. Broader. Higher Capacity.

The Archer AX6000 is TP-Link's first router with Wi-Fi 6 – based on the next generation 802.11ax Wi-Fi technology. Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

4x Higher Performance

The new Downlink and Uplink MU-MIMO and OFDMA achieve a performance boost 4× that of 802.11ac

4x Larger Capacity

OFDMA greatly increases the number of connected devices by assigning channels to more devices simultaneously

3x Faster Speed

1024 QAM and Long OFDM Symbol boost overall speeds up to an incredible 6000 Mbps

Boosted Coverage

Beamforming and RangeBoost technology provide stronger, more reliable connections

Homecare™ for Comprehensive Home Threat Protection

Defend your system from malicious threats that can sneak through downloads and file sharing. TP-Link HomeCare™, powered by Trend Micro™, protects every device from the latest cyber threats with powerful security, built-in antivirus, and cutting-edge intrusion prevention, comprehensively creating a highly protected smart home environment.



Antivirus protects your devices from viruses and malware.

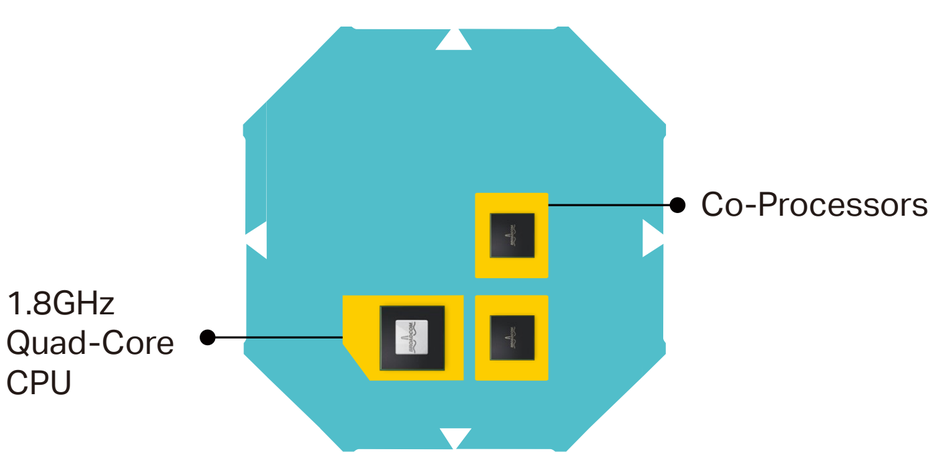
Powerful **Parental controls** keep your family safe while online.

Quality of Service prioritizes devices and applications for a faster network.

Highlights

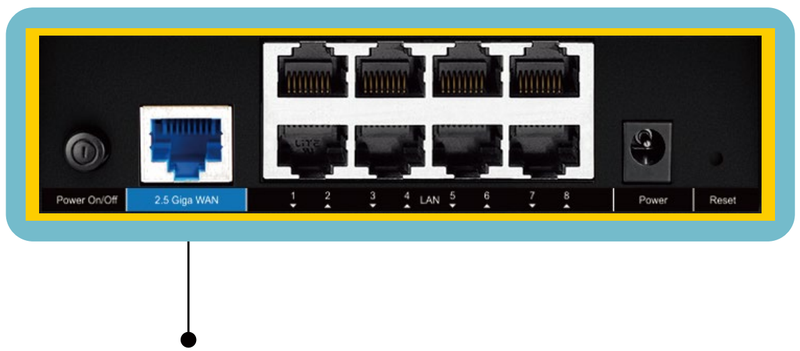
1.8GHz 64-bit Quad-Core CPU

An extremely powerful 1.8GHz 64-bit quad-core processor, two distinct co-processors, and 1GB of RAM work tirelessly to power your network.



2.5Gbps WAN Port

Archer AX6000 provides a 2.5Gbps WAN port to make fully use of the over 1Gbps internet access, boost the whole internet throughput.

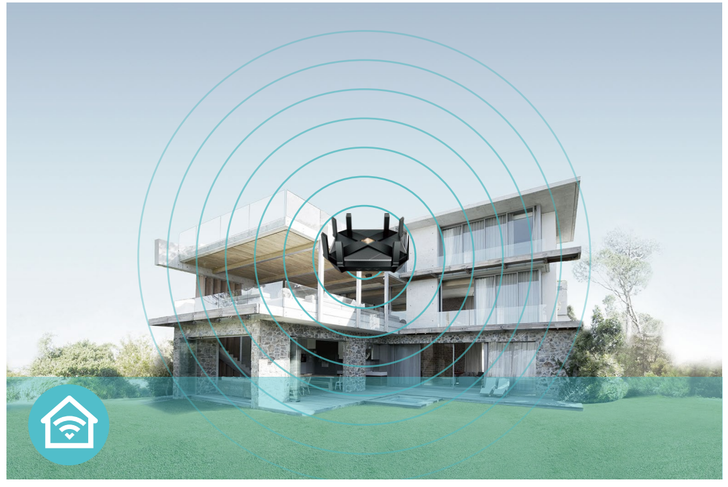


Features



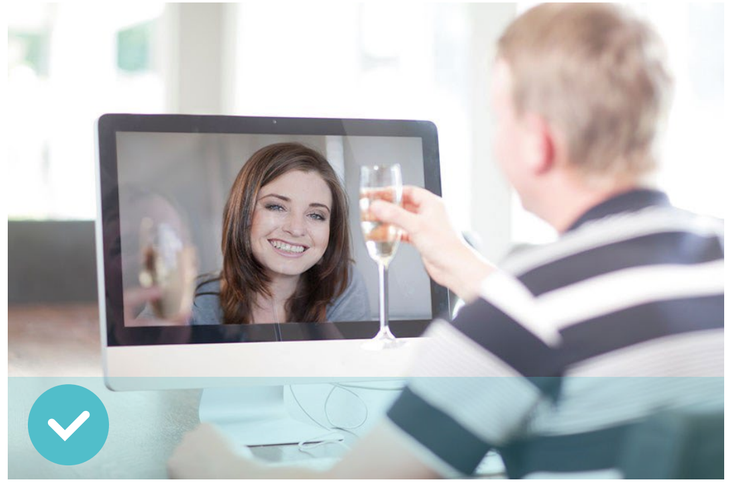
Speed

- AX Tech – 802.11ax (also known as Wi-Fi 6) features advanced technologies including OFDMA, MU-MIMO and 1024QAM, drastically increasing the speed and efficiency of the entire network
- Ultimate Wireless Speed – 1148 Mbps on 2.4GHz (802.11ax) + 4804 Mbps on 5GHz (802.11ax)
- 1.8GHz 64-bit Quad-Core CPU – Balances the demands of your devices and improves NAT throughput to keep connections fast and continuous
- Link Aggregation – Doubles the connection speeds to an external storage devices for faster streaming and data backup
- Accelerated VPN Access – Securely connects to private networks providing 5× faster OpenVPN and PPTP VPN connections



Wi-Fi Range

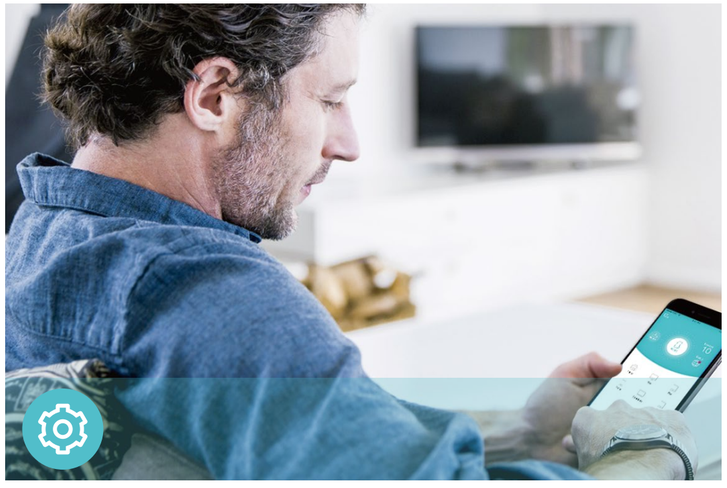
- Ultimate Range Wi-Fi – 8 high-gain external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable.
- Range Boost – Greatly enhances receiving sensitivity to deliver a more stable router-client link
- Beamforming Technology – Concentrates 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
- Easy Bandwidth Management – Advanced QoS makes it easier for you to manage the bandwidth of connected devices or applications

Features



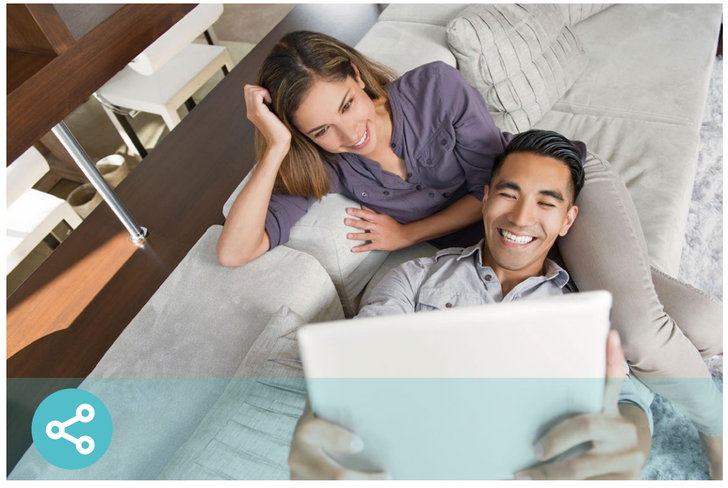
Ease of Use

- 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 radio using the Wi-Fi button; turn on/off LEDs using the LED 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
- Bluetooth Onboarding – Open phone's bluetooth and quickly sets up the network via the Tether app



Security

- Antivirus – Protects all connected devices in your home from viruses and malware
- Guest Network – Keeps your main network secure by creating a separate network for friends and visitors
- 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



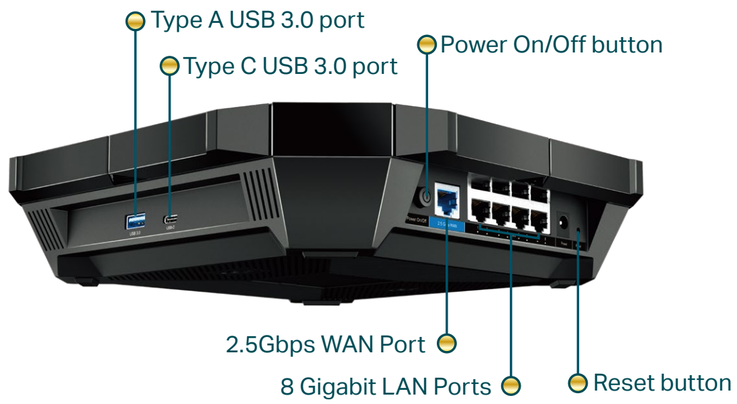
Easy Sharing

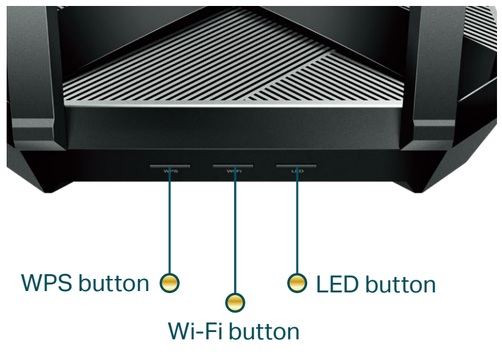
- Type C & Type A USB 3.0 Ports – Provide data transfers up to 10× faster than a traditional USB 2.0 port.
- Built-in Media Server – Allows you to play music, watch videos and view photos from any device on your network

Specifications

Hardware

- Ethernet Ports: One 2.5Gbps WAN Port, Eight Gigabit LAN Ports
- USB Ports: One Type A & One Type C USB 3.0 Ports
- Buttons: WPS Button, Wi-Fi On/Off Button, LED On/Off Button, Power On/Off Button, Reset Button
- Antennas: 8 High-Performance External Antennas
- External Power Supply: 12V/4A
- Dimensions (W x D x H): 10.3×10.3×2.4in (261.2×261.2×60.2mm)





Wireless

- Wireless: 1148 Mbps on 2.4GHz (802.11ax) + 4804 Mbps on 5GHz (802.11ax), compatible with 802.11a/b/g/n/ac Wi-Fi standards
- Frequency: 2.4GHz and 5GHz
- Transmit Power:

  CE: <20dBm(2.4GHz), <23dBm(5.15GHz~5.35GHz); <30dBm(5.47GHz~5.725GHz)

  FCC: <30dBm(2.4GHz & 5.15GHz~5.25GHz & 5.725GHz~5.825GHz)
- Reception Sensitivity:

  5GHz:

  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

  11ac VHT160_MCS0:-88dBm, 11ac VHT160_MCS11:-55dBm

  11ax HE20_MCS0:-95dBm, 11ax HE20_MCS11:-63dBm

  11ax HE40_MCS0:-92dBm, 11ax HE40_MCS11:-60dBm

  11ax HE80_MCS0:-89dBm, 11ax HE80_MCS11:-58dBm

  11ax HE160_MCS0:-85dBm, 11ax HE160_MCS11:-55dBm

  2.4GHz：

  11g 6Mbps：-97dBm, 11a 54Mbps:-79dBm

  11n HT20_MCS0:-97dBm, 11n HT20_MCS7:-78dBm

  11n HT40_MCS0:-95dBm, 11n HT40_MCS7:-75dBm

  11ac VHT20_MCS0:-96dBm, 11ac VHT20_MCS11:-67dBm

  11ac VHT40_MCS0:-94dBm, 11ac VHT40_MCS11:-64dBm

  11ax HE20_MCS0:-96dBm, 11ax HE20_MCS11:-64dBm

  11ax HE40_MCS0:-93dBm, 11ax HE40_MCS11:-61dBm
- Wireless Function: Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics
- Wireless Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions

Specifications

Software

- Quality of Service: Device and Application Prioritisation
- WAN Type: Dynamic IP/Static IP/PPPoE/PPTP(Dual Access)/L2TP(Dual Access)/BigPond
- Management: Access Control, Local Management, Remote Management
- DHCP: Server, DHCP Client List, Address Reservation
- Port Forwarding: Virtual Server, 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: DoS, SPI Firewall, IP and MAC Address Binding
- Protocols: IPv4, IPv6
- USB Sharing: Supports Samba(Storage)/FTP Server/Media Server/Printer Server
- Guest Network: 2.4GHz Guest Network, 5GHz Guest Network

Others

- Certification:

  CE, 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℃~40℃ (32℉ ~104℉)

  Storage Temperature: -40℃~70℃ (-40℉ ~158℉)

  Operating Humidity: 10%~90% non-condensing

  Storage Humidity: 5%~90% non-condensing
- Package Contents

  Wireless Router Archer AX6000

  Power Adapter

  RJ45 Ethernet Cable

  Quick Installation Guide

For more information, please visit
http://www.tp-link.com/products/details/Archer-AX6000.html
or scan the QR code left

Attention: This device may only be used indoors in all EU member states and EFTA countries.
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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 and 1024-QAM requires clients to also support those functions.

*A basic TP-Link HomeCare™, powered by Trend Micro™, package is included for 3 years from date of activation at no additional cost. It includes Parental controls, Quality of Service, and Antivirus. Deactivation of HomeCare™ will disable certain controls and protections. For a complete list of HomeCare™ functions, go to www.tp-link.com.