Wi-Fi 6 802.11ax

AX3000 4-Stream Gigabit Wi-Fi 6 Router

Next-Gen Wi-Fi for More Devices

Archer AX3000

- Next-Gen Gigabit Wi-Fi
  Speed up to 3 Gbps†
- Connect More Devices
  OFDMA + MU-MIMO‡
- Intel® Home Wi-Fi Chipset
  Wi-Fi 6 Gig+ performance
- Maximized Coverage
  Beamforming†

Highlights

802.11 AX Wi-Fi 6 Gig+ Supports More Devices

The Archer AX3000, with Wi-Fi 6 – 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.

4× Larger Capacity for Non-Stop Entertainment**

OFDMA and 4-Stream technology greatly improves network efficiency and capacity to connect more devices simultaneously, satisfying your diverse networking needs ranging from extremely low traffic to highly bandwidth intensive.

3× Faster Speed△

Powerful and consistent signals to perfectly pair with newer PCs and mobile devices equipped with 160 MHz Wi-Fi§

75% Lower Latency*

Take advantage of ultra-low latency to enjoy more responsive gaming and seamless video conferencing

Backwards Compatible

Archer AX3000 supports all current Wi-Fi devices and is backward compatible with 802.11a/b/g/n/ac Wi-Fi standards

Save Clients' Battery Power

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

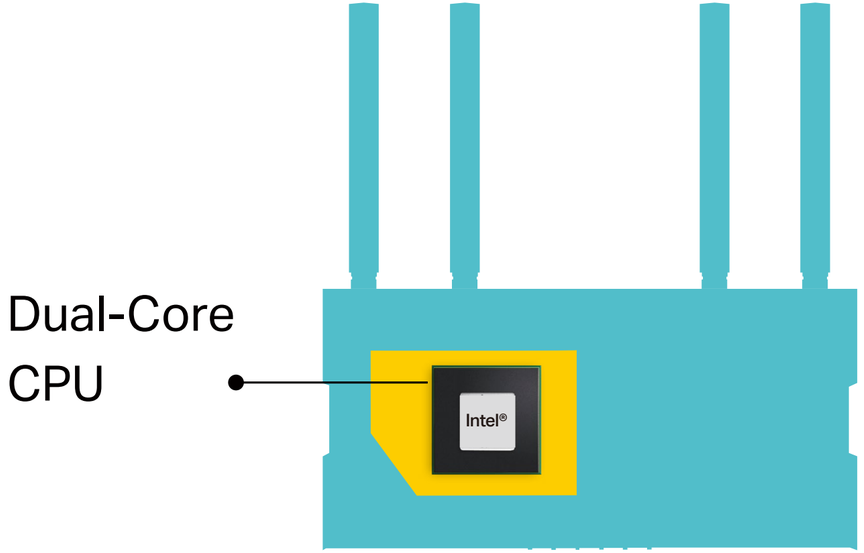
Highlights

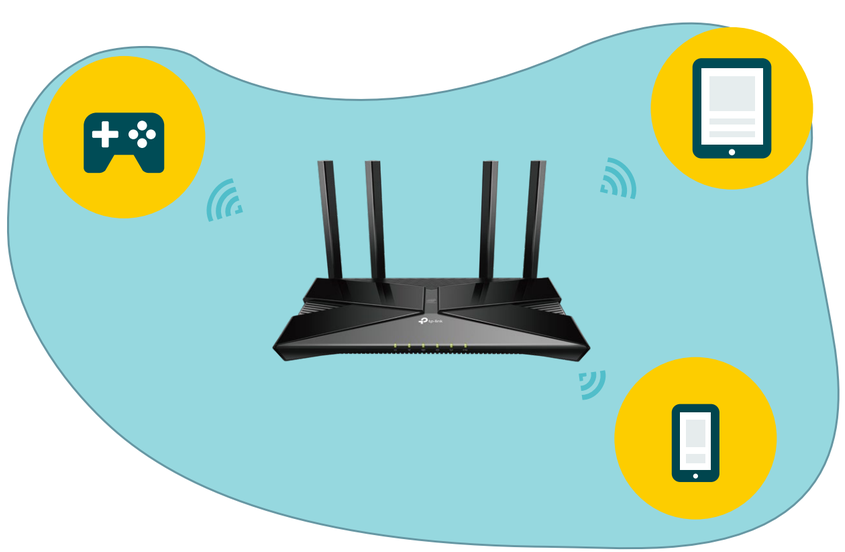
Powerful CPU

A high-performance dual-core CPU delivers consistent and powerful signal strength to multiple devices at the same time. It also helps accelerate wired and wireless transmission simultaneously to keep your connections fast and uninterrupted.†

Boosted Coverage

Four high-gain external 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.†

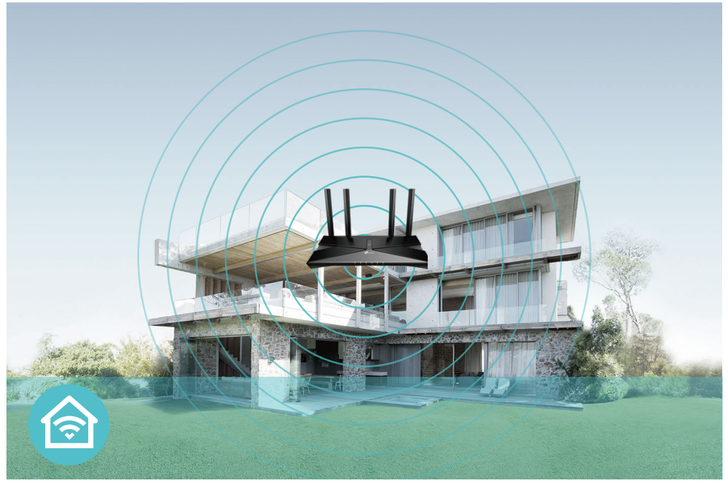




Features

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 – 574 Mbps on 2.4 GHz (802.11ax) + 2402 Mbps on 5 GHz (802.11ax)[†]
- Dual-Core CPU – Helps accelerate wired and wireless transmission simultaneously to keep your connections fast and uninterrupted.
- Link Aggregation – Doubles the connection speeds to an external storage devices for faster streaming and data backup



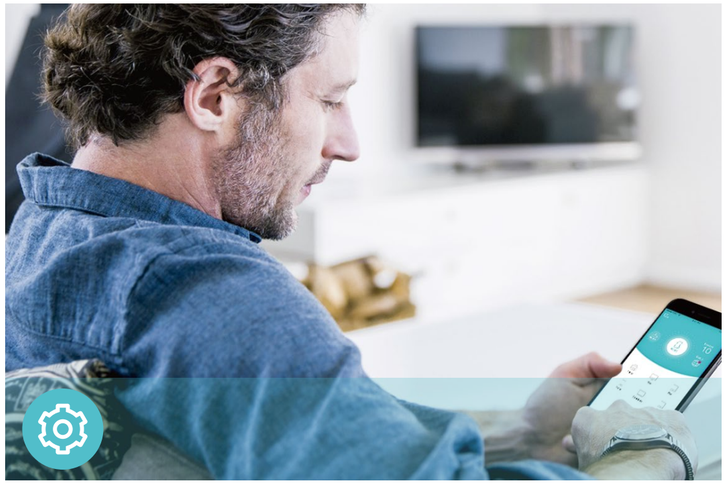
Wi-Fi Range

- 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 – Concentrates Wi-Fi signals towards individual devices to ensure stronger connections

Reliability

- Secure VPN Access – Connects to a private network with a safe and secure OpenVPN and PPTP VPN connection
- 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

Features

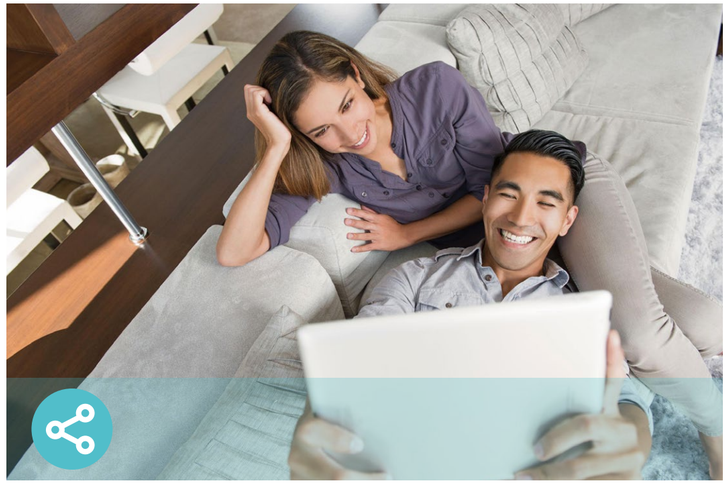


Ease of Use

- 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

Security

- 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



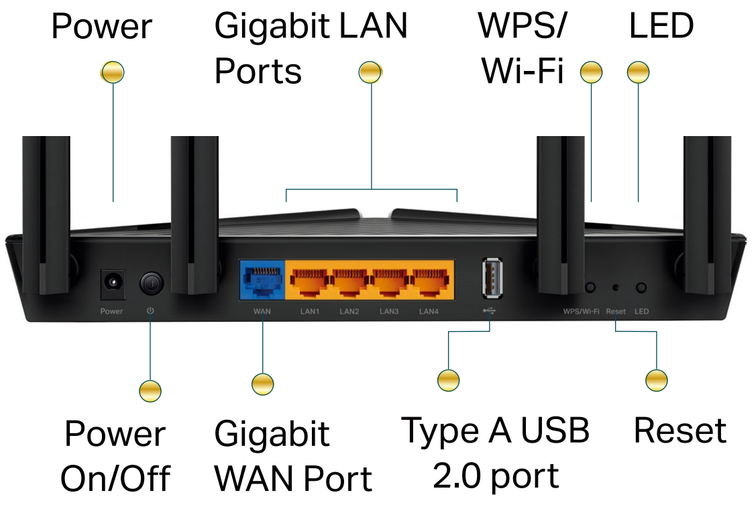
Easy Sharing

- USB 2.0 Port – Connects external storage devices to rapidly share files, photos, and videos
- 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 Gigabit WAN Port, four Gigabit LAN Ports
- USB Port: One Type A USB 2.0 Port
- Buttons: WPS/Wi-Fi Button, LED On/Off Button, Power On/Off Button, Reset Button
- Antennas: Four Fixed External Antennas
- External Power Supply: 12V/2A
- Dimensions (W x D x H): 10.2 × 5.3 × 1.5 in (260.2 x 135.0 x 38.6 mm)



Wireless

- Wireless: 574 Mbps on 2.4 GHz (802.11ax) + 2402 Mbps on 5 GHz (802.11ax)†, compatible with 802.11a/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

  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

  2.4 GHz:

  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, WMM, Wireless Statistics
- 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: 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
- Guest Network: 2.4 GHz Guest Network, 5 GHz Guest Network
- VPN Server: OpenVPN, PPTP VPN

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 AX3000

  Power Adapter

  RJ45 Ethernet Cable

  Quick Installation Guide

For more information, please visit

http://www.tp-link.com/products/details/Archer-AX3000.html

or scan the QR code left

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, 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.
‡Use of Wi-Fi 6 (802.11ax), and features including OFDMA and 1024-QAM require clients to also support the corresponding features.
§HT160 requires client device that supports 160 MHz bandwidth on Wi-Fi.
ᵟ802.11ax 2x2 160 MHz enables 2402 Mbps maximum theoretical data rates, 3X faster than standard 802.11ac 2x2 80 MHz (867 Mbps) and nearly 6x faster than baseline 1x1ac (433 Mbps) Wi-Fi as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ax wireless network routers.
*"Up to 75% lower latency" is based on Intel simulation data of 802.11ax with and without OFDMA using 9 clients. Average latency without OFDM is 36ms, with OFDMA average latency is reduced to 7.6ms. Latency improvement requires that the AP and all clients support OFDMA.
** This amendment defines standardized modifications to both the IEEE 802.11 physical layers (PHY) and the IEEE 802.11 Medium Access Control layer (MAC) that enable at least one mode of operation capable of supporting at least four times improvement in the average throughput per station (measured at the MAC data service access point) in a dense deployment scenario, while maintaining or improving the power efficiency per station.
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****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.