**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** — **4x Higher Performance**
The new Downlink and Uplink MU-MIMO and OFDMA achieve a performance boost 4× that of 802.11ac

**4X** — **4x Larger Capacity**
OFDMA greatly increases the number of connected devices by assigning channels to more devices simultaneously

**3X** — **3x Faster Speed**
1024 QAM and Long OFDM Symbol boost overall speeds up to an incredible 6000 Mbps
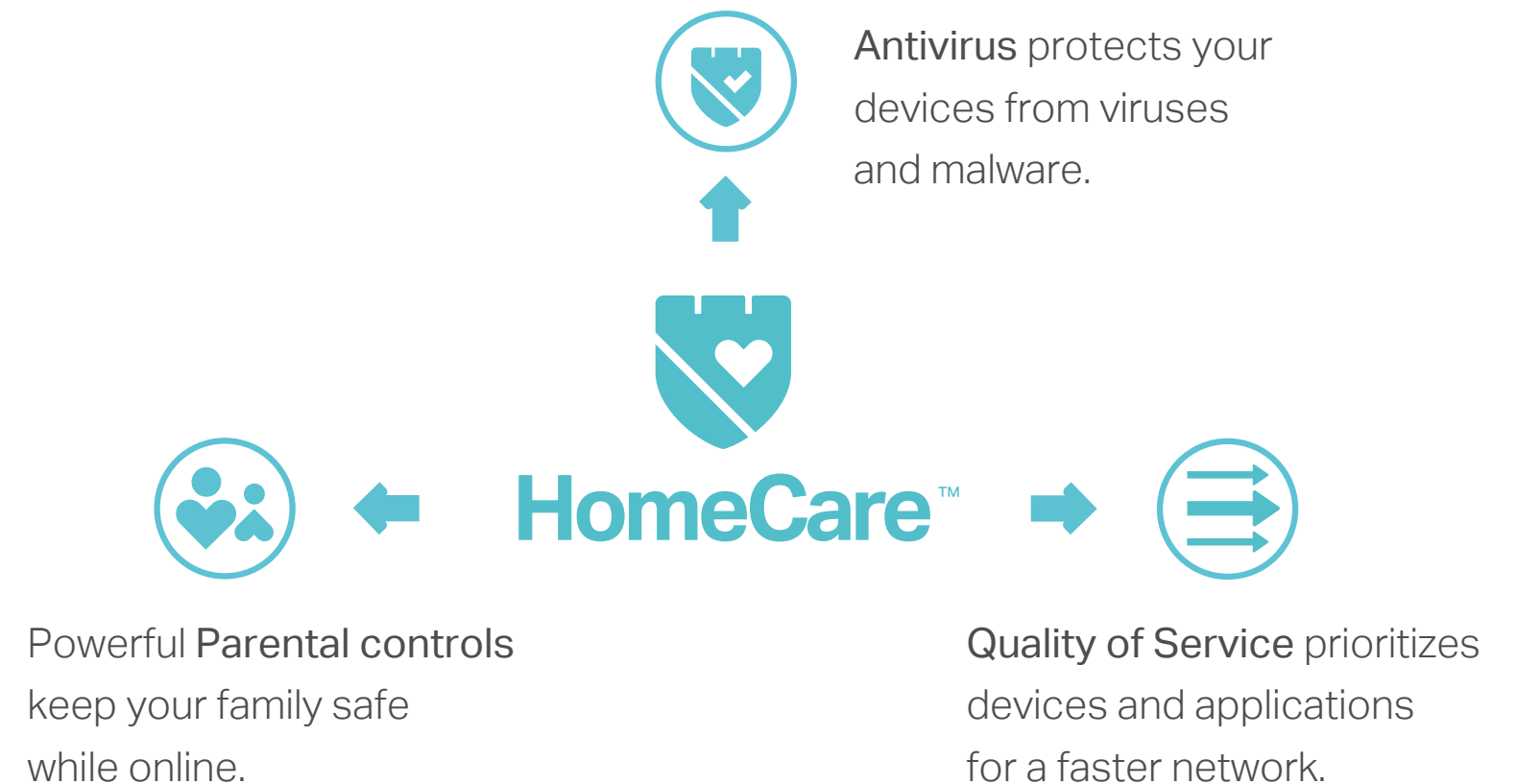
**Boosted Coverage**
Beamforming and RangeBoost technology provide stronger, more reliable connections

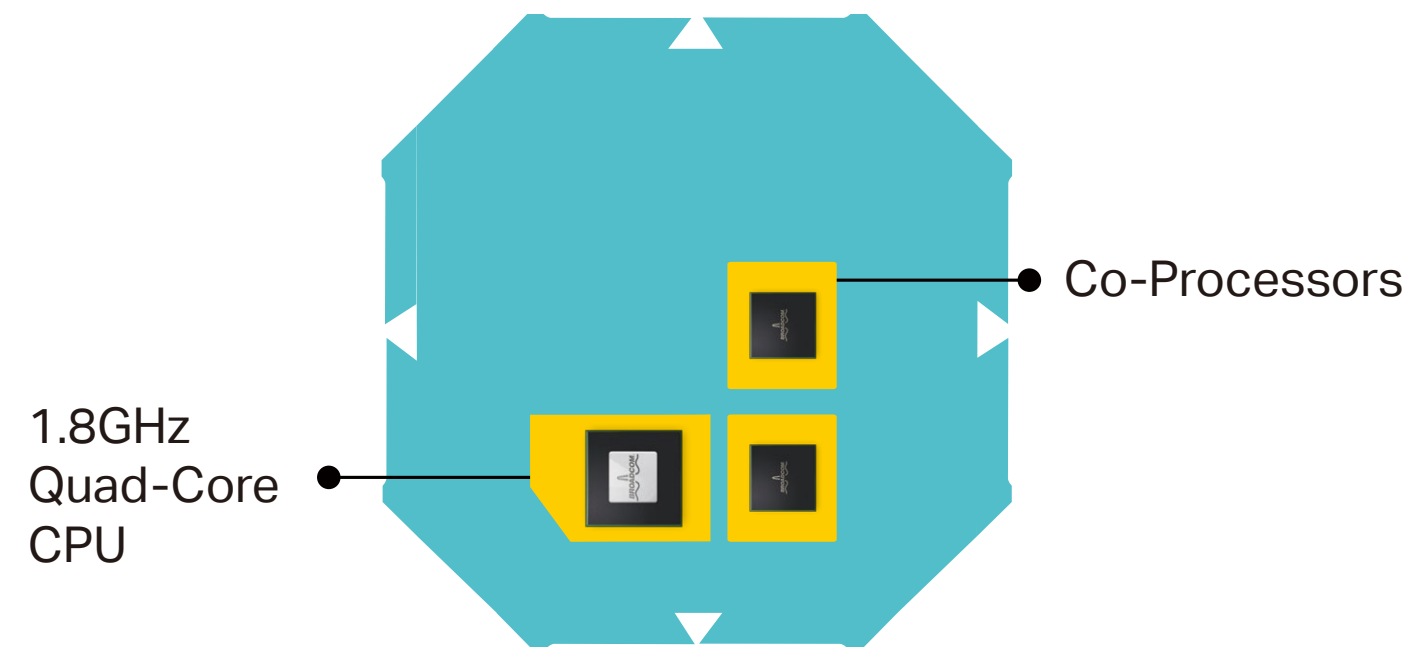## Homecare™ for Comprehensive Home Threat Protection

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.

**HomeCare™**

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

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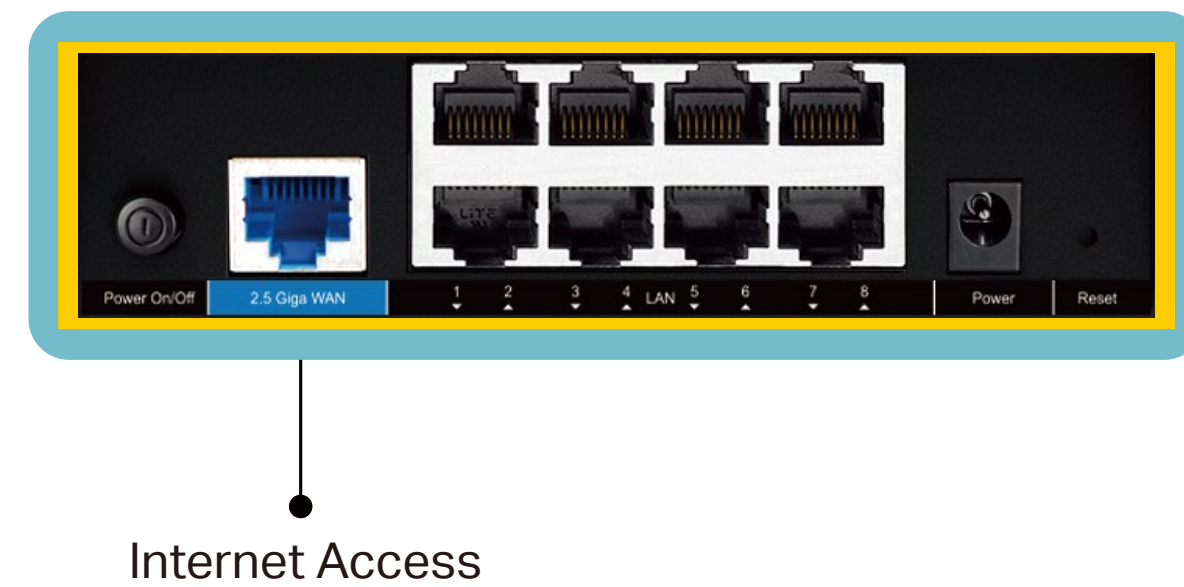
# Highlights

## 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.

Co-Processors

1.8GHz
Quad-Core
CPU

## 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.
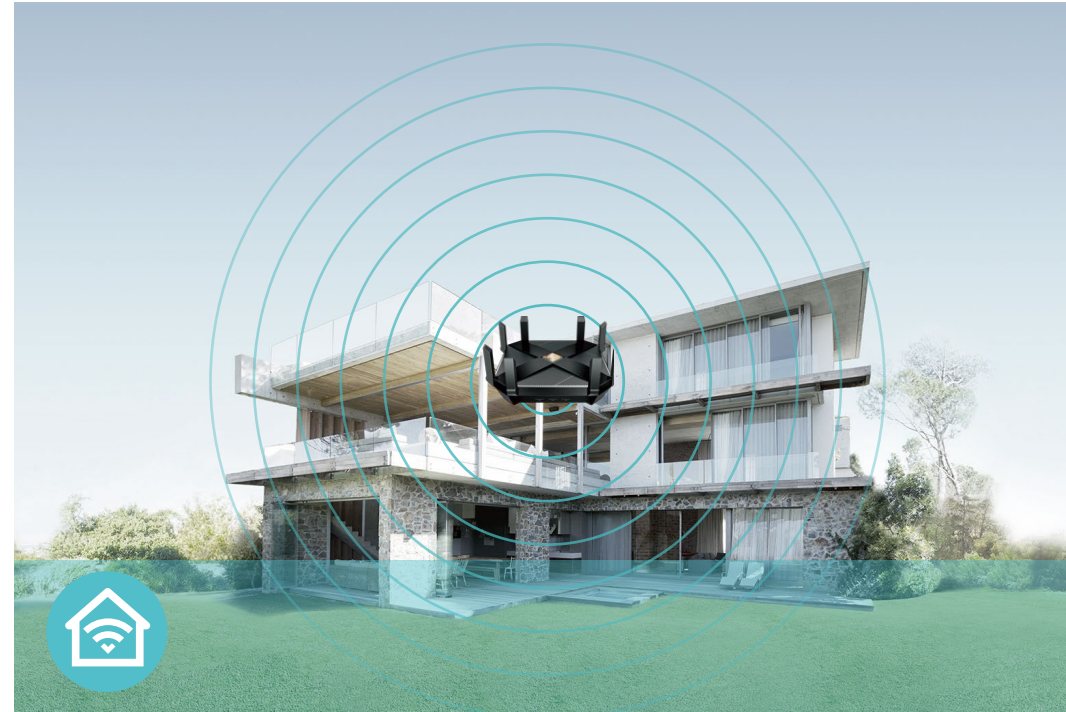
Internet Access

# 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
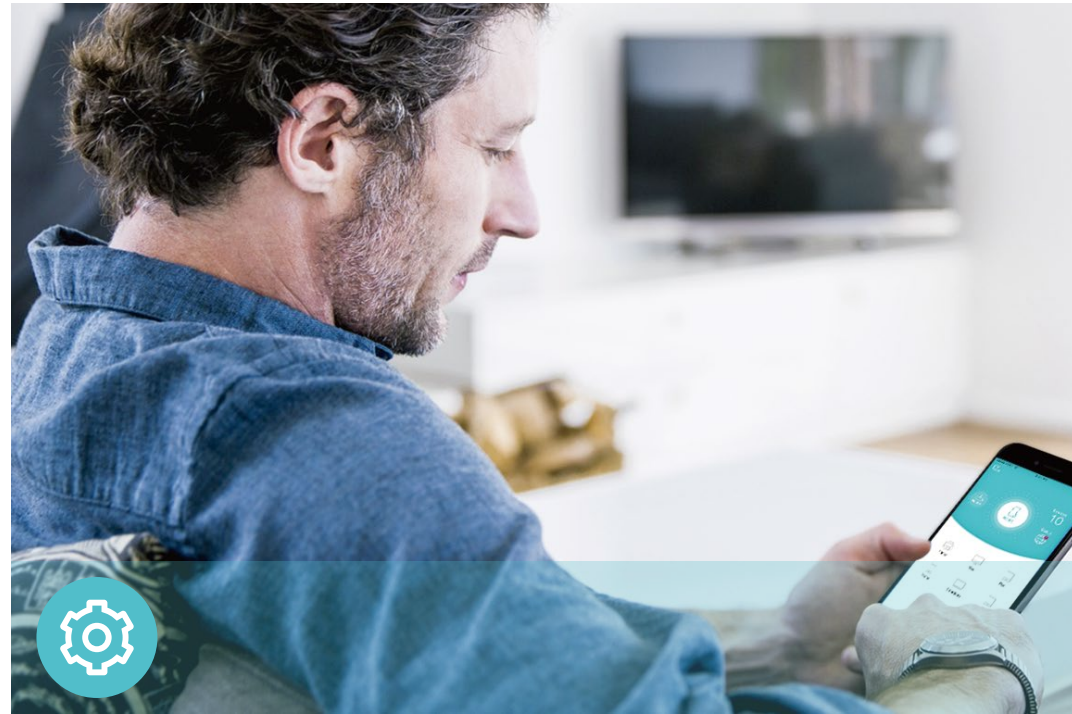
## Wi-Fi Range

· 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
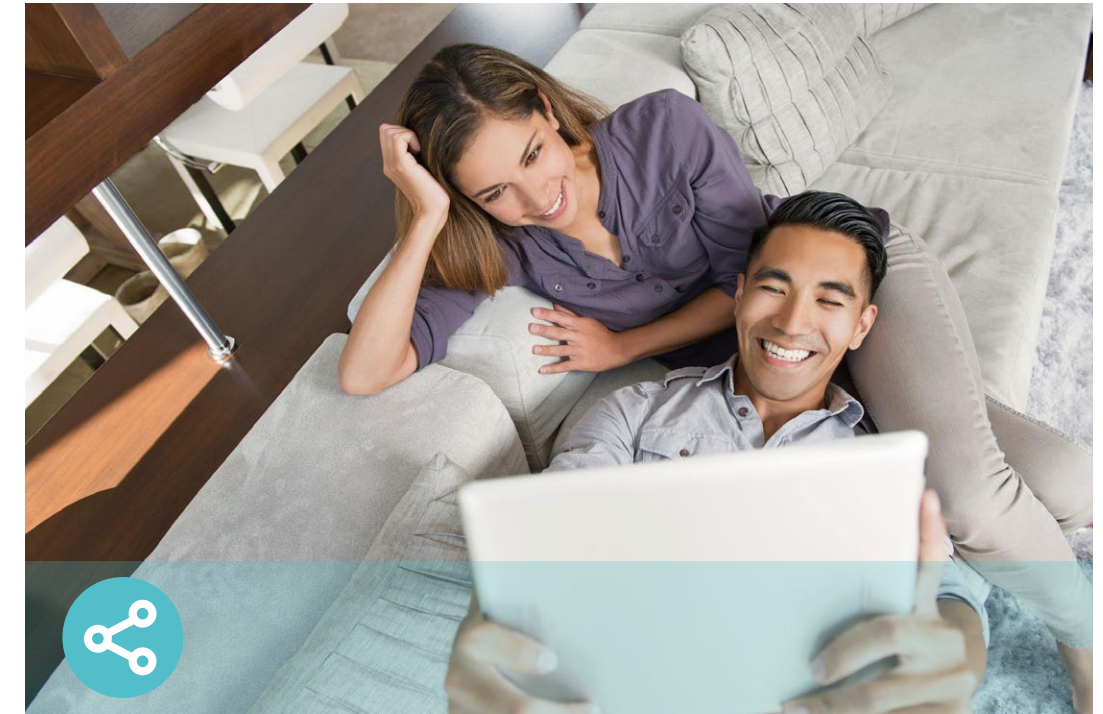
# Features







## 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
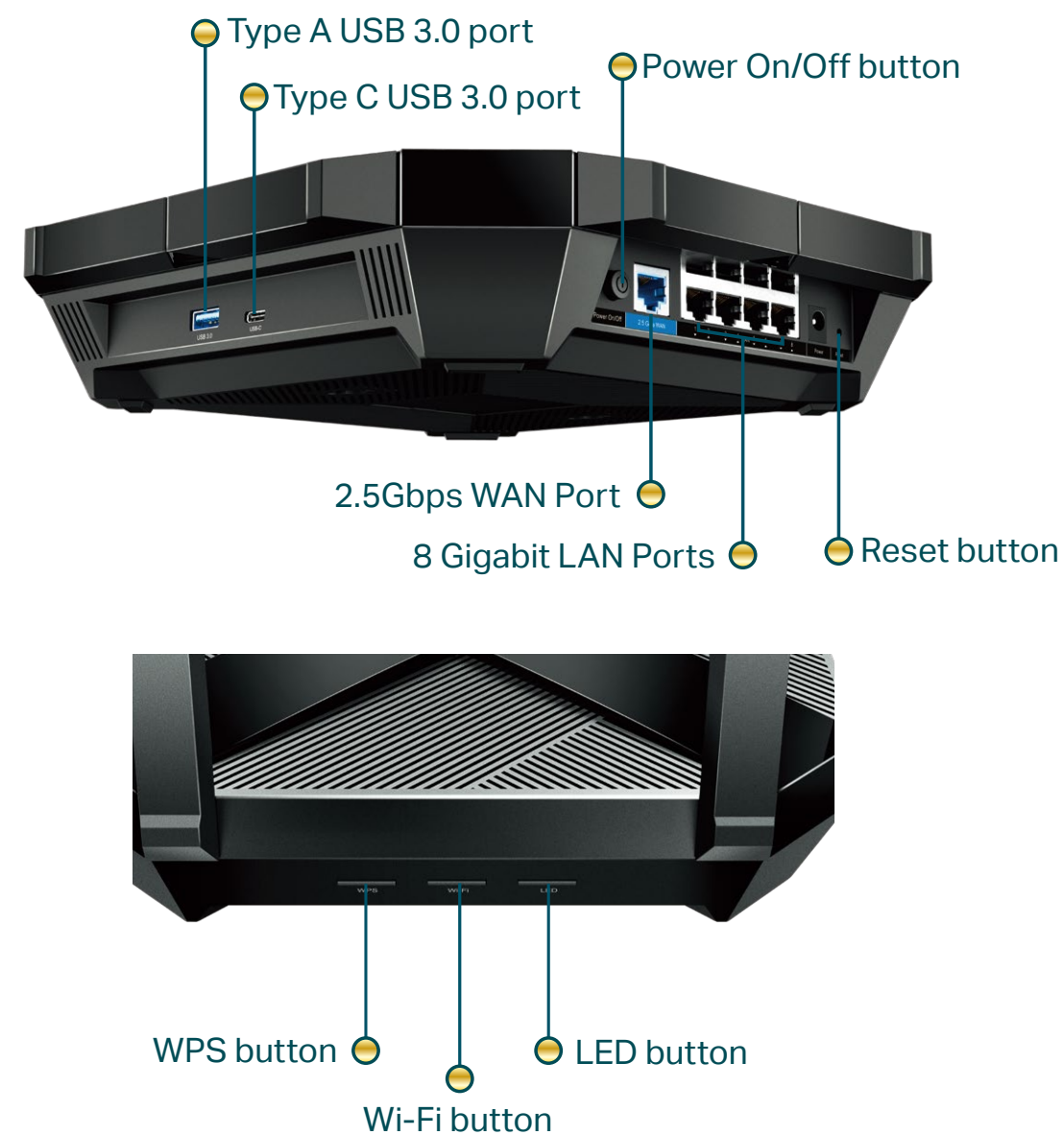
## Easy Sharing

· 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)

Type A USB 3.0 port
Type C USB 3.0 port
Power On/Off button
2.5Gbps WAN Port
8 Gigabit LAN Ports
Reset button

WPS button
LED button
Wi-Fi button

## 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