

# AX6600 Tri-Band Wi-Fi 6 Router

PURE GAMING PURE IMMERSION





Speeds

6.6 Gbps Warp

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2.5 Gbps Ethernet Port





Game Accelerator



3-4 Bedroom House Coverage

### Highlights

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

Higher speeds create less congestion for gaming rigs. Archer GX90 provides tri-band Wi-Fi 6 for outstanding online gaming experiences. One dedicated Gaming Band with HT160 offers 4.8 Gbps of bandwidth—more than enough for your gaming needs.

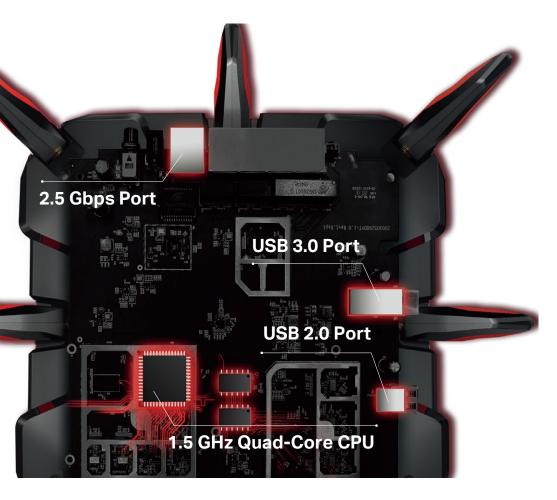
#### **Battle-Tested Hardware**

Powerful quad-core CPU assures every packet of data is transmitted without delay even under heavy loads. The 2.5 Gbps gaming port breaks the gigabit bottleneck and unleashes huge throughput for your online play.\*\*





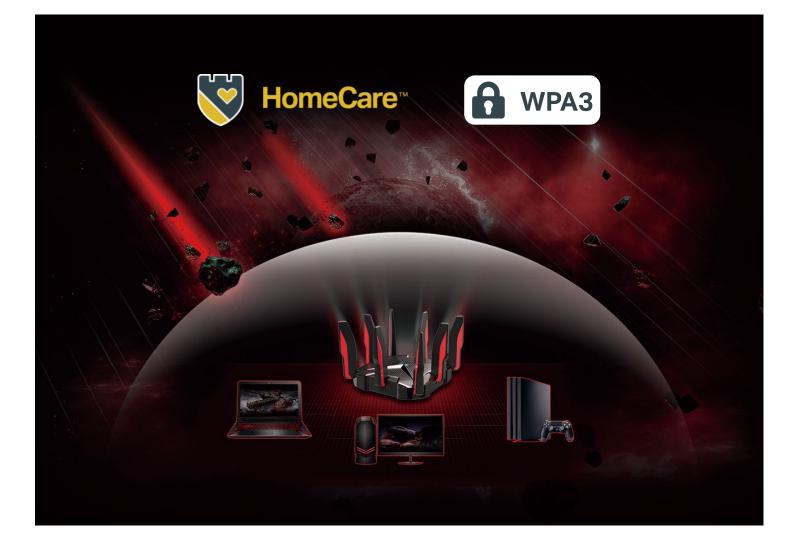
HT160<sup>‡</sup> The highest channel width on a single stream **1024-QAM**<sup>‡</sup> More data encoded at one time



### Highlights

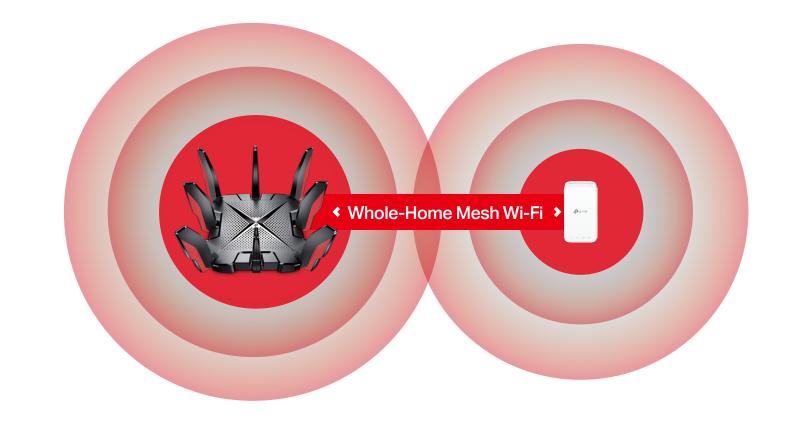
#### Keep Elements Secure

Game Protector keeps your accounts and system safe. Alongside the latest WPA3 protocol, this HomeCare<sup>™</sup> security system protects every device from the latest cyber threats, ensuring your total security while gaming online.

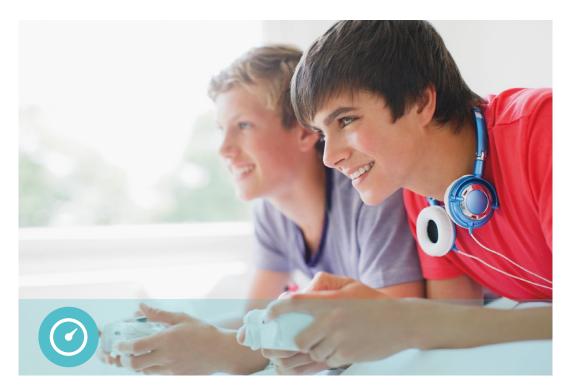


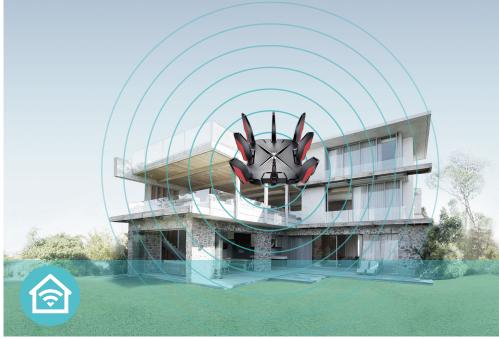
### Flexible Whole-Home Wi-Fi

Eight high-performance antennas, Beamforming, and high-power FEM combine to deliver broad coverage. Furthermore, Archer GX90 supports OneMesh™ to form seamless whole-home coverage, preventing drops and lag when moving between signals.



### Features



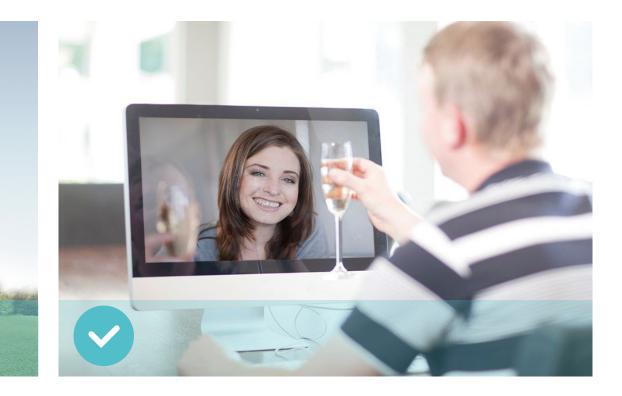


#### Speed

- Unthrottled Speeds Enjoy ultra-fast 6.6 Gbps Wi-Fi boosted by the Wi-Fi 6 standard with 1024-QAM and HT160 technologies.<sup>#</sup>
- OFDMA Provides 4× greater capacity for more simultaneous connections.<sup>‡</sup>
- Next-Gen Wireless Speed 4804 Mbps (5 GHz) + 1201 Mbps (5 GHz) + 574 Mbps (2.4 GHz)<sup>†</sup>

### Wi-Fi Range

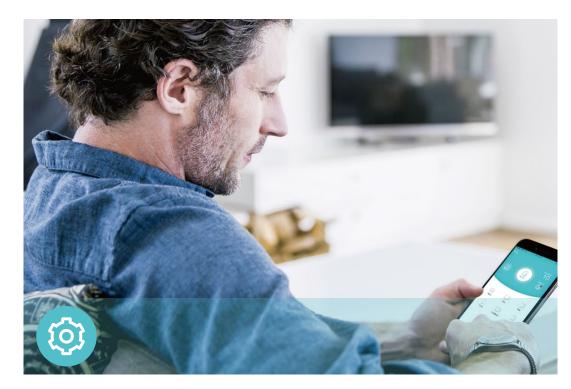
- Ultimate Range Wi-Fi Eight high-gain external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable.
   Secure VPN Access – Connects to a private network with a safe and secure OpenVPN and PPTP VPN connection
- Beamforming Technology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



### Reliability

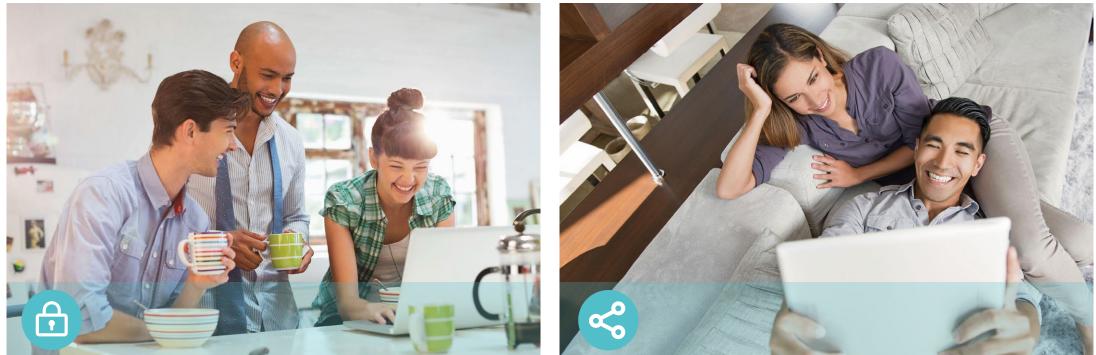
- Airtime Fairness Balances bandwidth of connected devices to improve overall throughput and efficiency
  - Smart Connect Intelligently switches each device's connection to the optimum available Wi-Fi band

### Features



#### Ease of Use

- Intuitive Web UI Ensures quick and simple installation without hassle
- WPS (Wi-Fi Protected Setup) Help you to quickly and securely connect your devices to the router's network with a tap
- 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

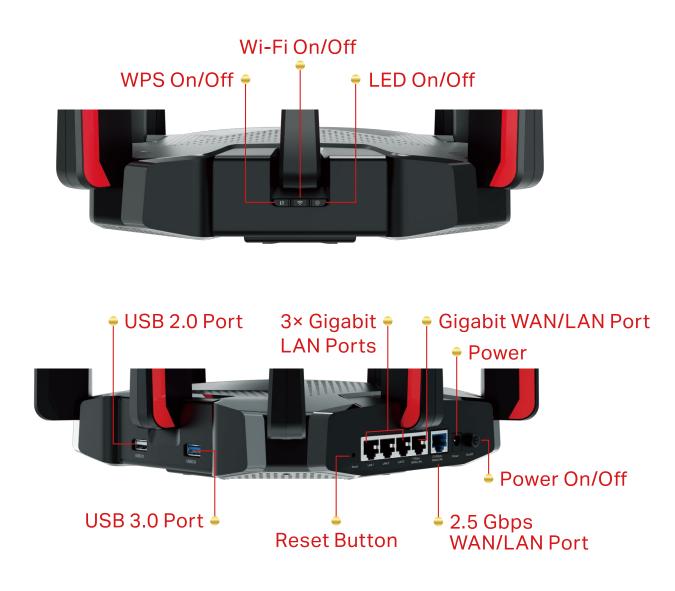
- Parental Controls Manage when and how connected devices
  USB Port Connects external storage devices to rapidly share files, photos, and videos
- Guest Network Provides separate access for guests to secure
  Built-in Media Server Allows you to play music, watch videos
  and view photos from any device 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)<sup>†</sup>
- Hardware: 1.5 GHz Quad-Core CPU
- 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: 8.3 × 8.3 × 2.0 in (212 × 212 × 51.8 mm)



#### Wireless

- compatible with 11a/b/g/n/ac Wi-Fi standards
- Frequency: 2.4 GHz and 5 GHz Transmit Power: CE:
- <20dBm(2.4GHz)
- <23dBm(5.15GHz~5.35GHz) <30dBm(5.47GHz~5.725GHz) FCC:
- · Reception Sensitivity: 5 GHz-1:
- 11a 6Mbps:-93dBm, 11a 54Mbps:-76dBm
- 5 GHz-2:
- 11a 6Mbps:-96dBm, 11a 54Mbps:-77dBm
- 2.4 GHz:
- 11g 6Mbps:-96dBm, 11g 54Mbps:-77dBm

· Wireless: 4804 Mbps (5 GHz, 11ax) + 1201 Mbps (5 GHz, 11ax) + 574 Mbps (2.4 GHz, 11ax),

<30dBm(2.4GHz & 5.15GHz~5.25GHz & 5.725GHz~5.825GHz) <24dBm(5.25GHz-5.35GHz & 5.47GHz-5.725 GHz)

11ac VHT20 MCS0:-92dBm, 11ac VHT20 MCS8:-69dBm 11ac VHT40 MCS0:-90dBm, 11ac VHT40 MCS9:-65dBm 1ac VHT80 MCS0:-87dBm, 11ac VHT80 MCS9:-62dBm 11ax HE20 MCS0:-93dBm,11ax HE20 MCS11:-62dBm 11ax HE40 MCS0:-90dBm,11ax HE40 MCS11:-59dBm 11ax HE80 MCS0:-87dBm,11ax HE80 MCS11:-56dBm

11ac VHT20 MCS0:-95dBm, 11ac VHT20 MCS11:-64dBm 11ac VHT40 MCS0:-93dBm, 11ac VHT40 MCS11:-62dBm 1ac VHT80 MCS0:-90dBm, 11ac VHT80 MCS11:-59dBm 1ac VHT160 MCS0:-84dBm, 11ac VHT160 MCS11:-53dBm 11ax HE20 MCS0:-93dBm,11ax HE20 MCS11:-62dBm 11ax HE40 MCS0:-90dBm,11ax HE40 MCS11:-59dBm 11ax HE80 MCS0:-87dBm,11ax HE80 MCS11:-57dBm 11ax HE160 MCS0:-84dBm,11ax HE160 MCS11:-54dBm

11n HT20 MCS0:-95dBm, 11n HT20 MCS7:-76dBm 11n HT40 MCS0:-93dBm, 11n HT40 MCS7:-73dBm 11ac VHT20 MCS0:-95dBm, 11ac VHT20 MCS8:-73dBm 11ac VHT40 MCS0:-92dBm, 11ac VHT40 MCS9:-68dBm 11ax HE20 MCS0:-95dBm.11ax HE20 MCS11:-64dBm 11ax HE40 MCS0:-95dBm,11ax HE40 MCS11:-62dBm 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 GX90
- Power Adapter
- **RJ45 Ethernet Cable**
- Quick Installation Guide



#### For more information, please visit

https://www.tp-link.com/products/details/?model=Archer+GX90 V1

#### or scan the QR code left

num 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, #Use of 802.11ax (Wi-Fi 6), OFDMA, HT160, and/or 1024-QAM requires clients to also support the corresponding features. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions. SThe 802.11 ax white paper defines standardized modifications to both the IEEE 802.11 physical layers (PHY) and th point) in a dense deployment scenario.

△Use of MU-MIMO and/or WPA3 requires clients to also support MU-MIMO.

\*Any revision to a supported game may influence Game Accelerator's ability to support it. Please refer to our product page for the full list of supported games.

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

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

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

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