tp-link

Wi-Fi 6

AX1800 Dual Band Wi-Fi 6 Router

Explore the New Era of Wi-Fi

Archer AX1800

Next-Gen Faster Wi-Fi 6 Speeds up to 1.8 Gbps†

WPA3 Refined Password Security with WPA3 Protocol*

Works with all internet service providers**

Highlights

Wi-Fi 6 Wi-Fi 6 Upgrades Everything

The Archer AX1800, 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.

Next-Gen Wi-Fi Speeds
Enjoy a faster and more stable network for streaming and gaming with lower latency and speeds up to 1.8 Gbps using newer mobile devices.[†]

Refined Security
The latest Wi-Fi security protocol, WPA3, keeps you safe by enhancing protection against brute-force attacks and reinforcing Wi-Fi password safety.*
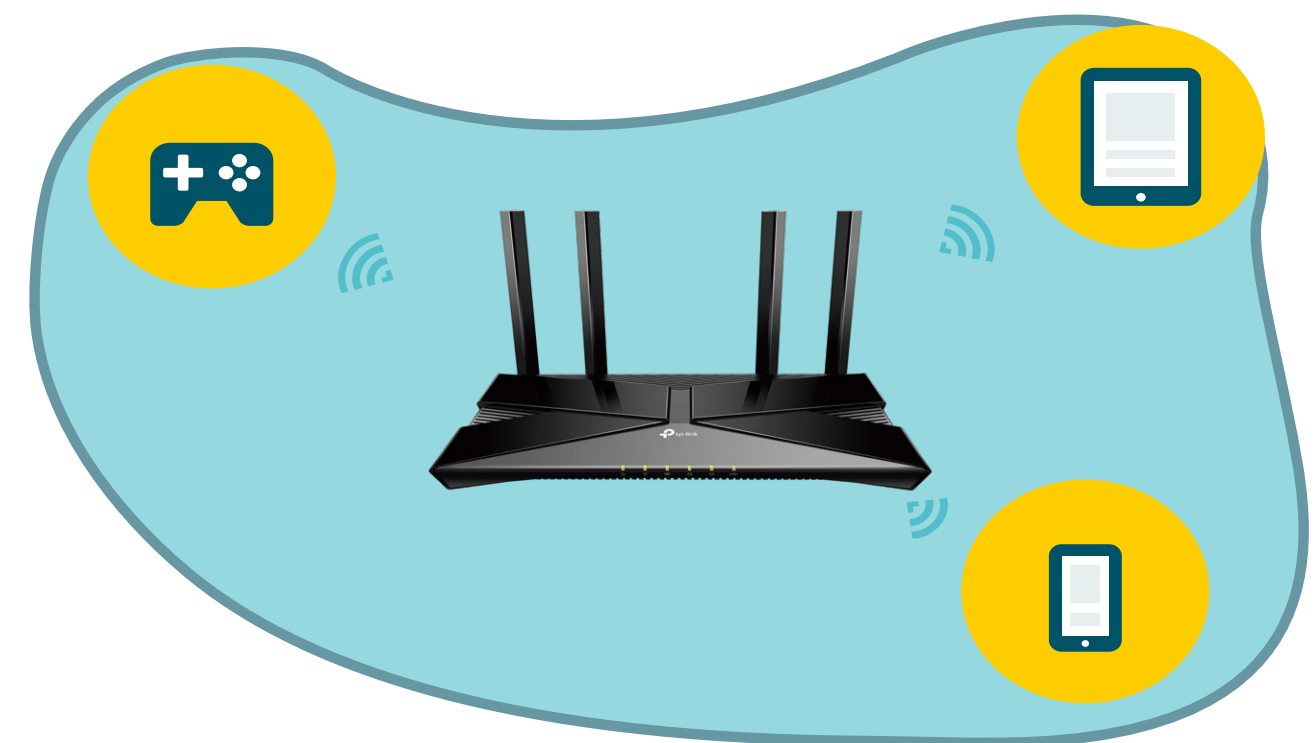
Backwards Compatible
Take your WiFi to the next level while being backwards compatible with existing 802.11a/b/g/n/ac Wi-Fi standards.
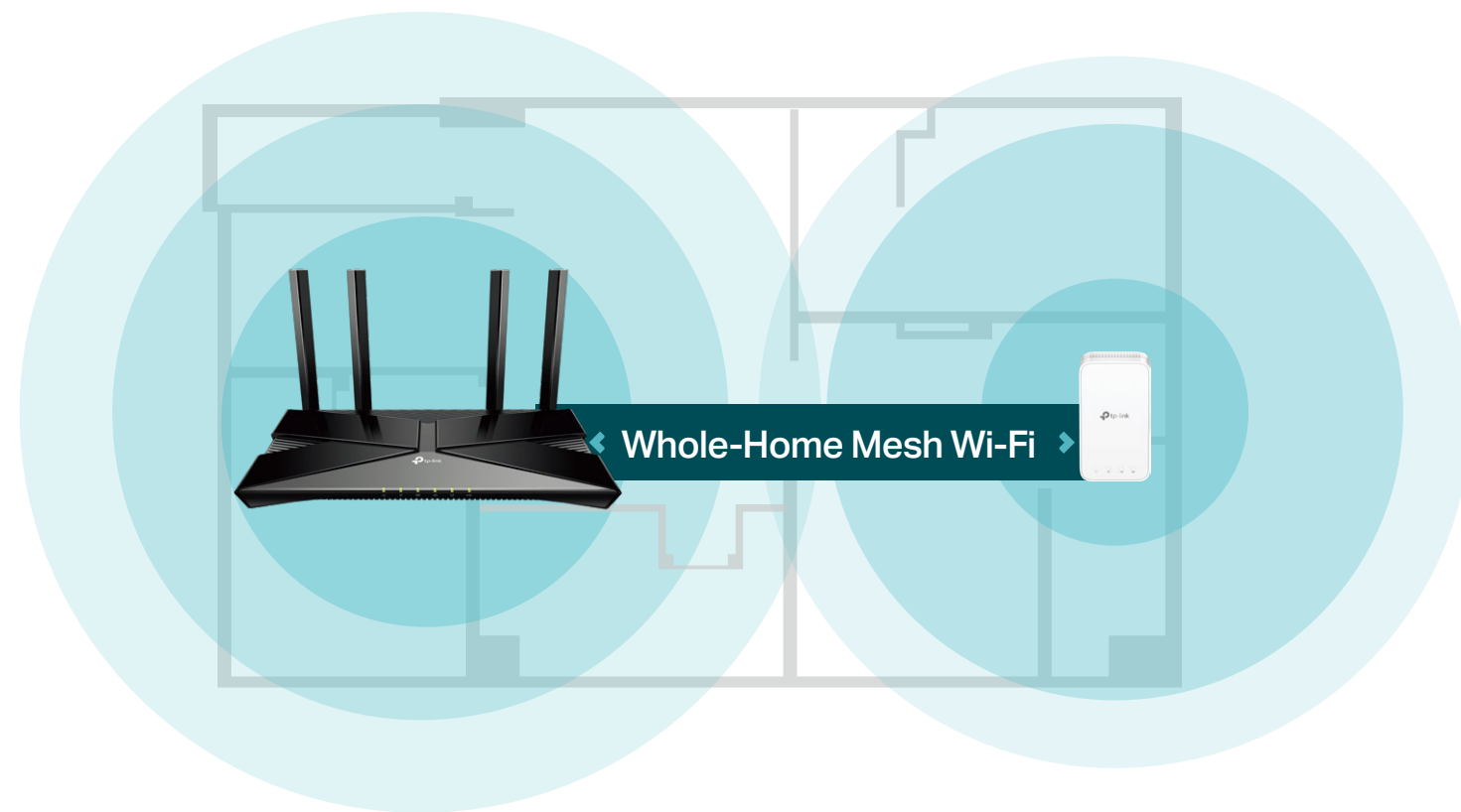
Boost Coverage for non-stop entertainment

Four high-gain 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.[†]
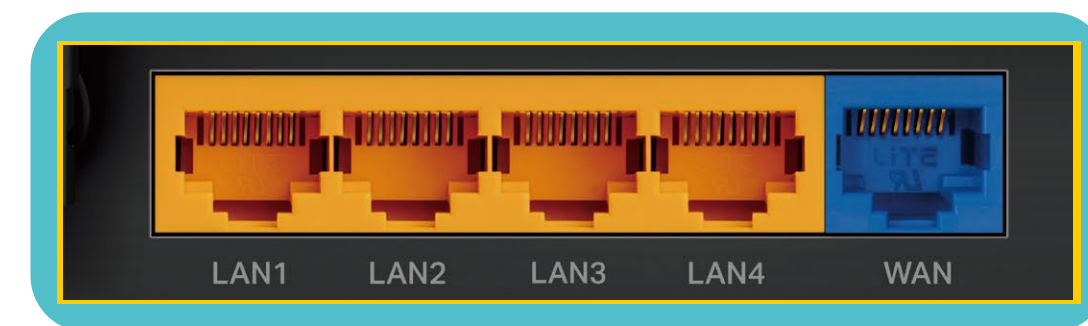
Highlights

Flexible Whole-Home Wi-Fi

Four high-performance antennas and Beamforming deliver broad coverage. Furthermore, Archer AX1800 supports OneMesh™ to form seamless whole-home coverage, preventing drops and lag when moving between signals.

Whole-Home Mesh Wi-Fi

Gigabit Internet Access

Take full advantage of your broadband with speed up to 1 Gbps with a Gigabit WAN port. Plug your PCs, smart TVs and game consoles into one of the four Gigabit LAN ports for fast and reliable wired connections.[△]
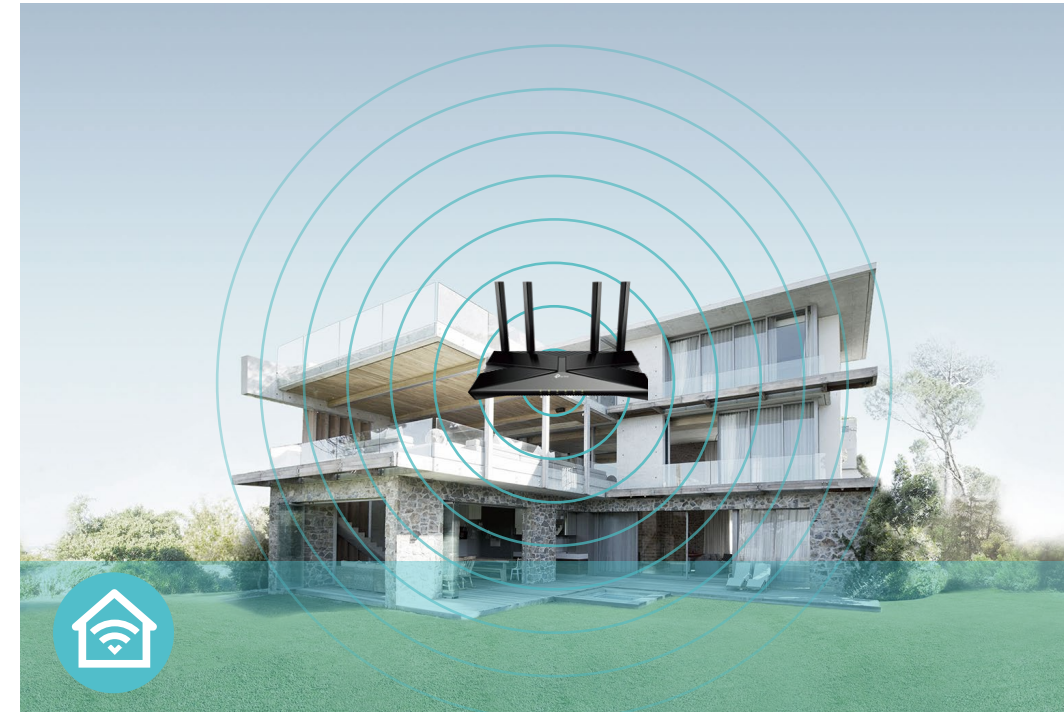
LAN1   LAN2   LAN3   LAN4   WAN

Gigabit Ports

Features

Speed

· **Wi-Fi 6 Technology** – The new era of Wi-Fi with speeds up to 1.8 Gbps[†]

· **OFDMA** – Provides 4× greater capacity for more simultaneous connections.[§]

· **Next-Gen Wireless Speed** – 574 Mbps on 2.4 GHz (802.11ax) + 1201 Mbps on 5 GHz (802.11ax)[†]
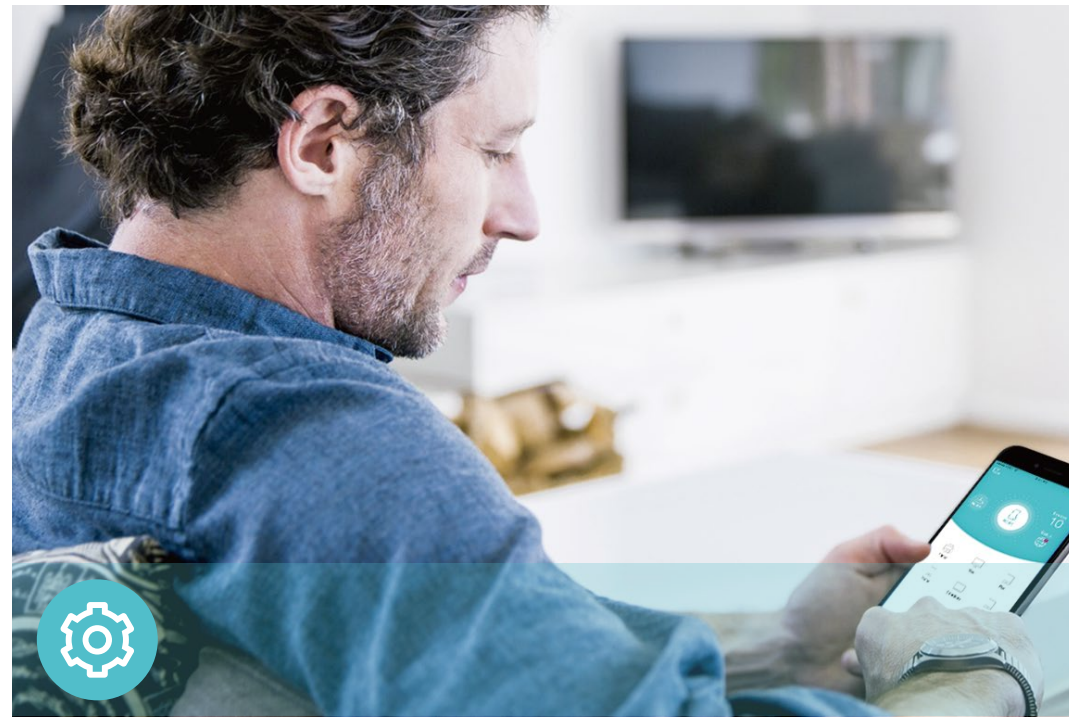
Wi-Fi Range

· **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

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

· **Easy On/Off** – Turn on/off wireless radio using the Wi-Fi 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 can access the internet

· **Guest Network** – Provides separate access for guests to secure the home network

· **Access Control** – Establishes a whitelist or blacklist to allow or restrict certain devices to access the internet

· **Encryptions for Secure Network** – WPA/WPA2, WPA2/WPA3 encryptions provide active protection against security threats
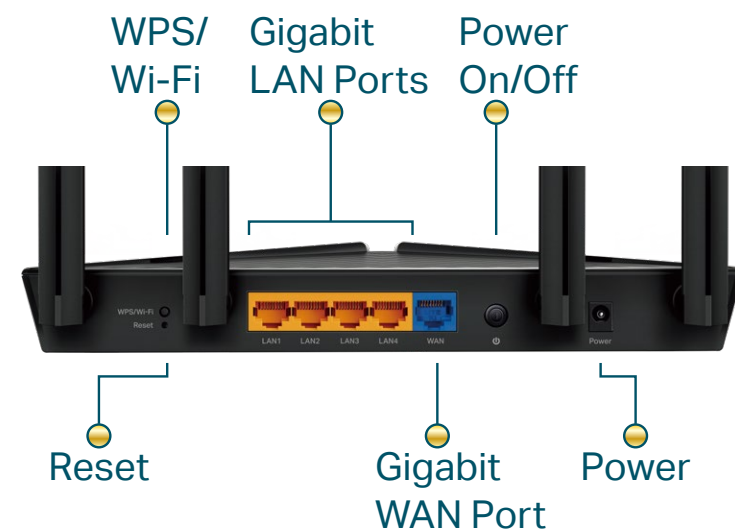
Specifications

Wireless

- **Standards:** IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11ax/n/b/g 2.4 GHz
- **WiFi Speeds:** 5 GHz: 1201 Mbps (802.11ax), 2.4 GHz: 574 Mbps (802.11ax)
- **WiFi Range:** 4 High-Performance Antennas, Beamforming
- **WiFi Capacity:** Dual-Band, OFDMA, Airtime Fairness, 4 Streams
- **Working Modes:** Router Mode, Access Point Mode

Security

- **WiFi Encryption:** WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x)
- **Network Security:** SPI Firewall, Access Control, IP & MAC Binding, Application Layer Gateway
- **Guest Network:** 1× 5 GHz Guest Network, 1× 2.4 GHz Guest Network
- **VPN Server:** OpenVPN, PPTP

Hardware

- **Ethernet Ports:** 1× Gigabit WAN Port, 4× Gigabit LAN Ports
- **Buttons:** WPS/Wi-Fi Button, Reset Button, Power On/Off Button
- **Power:** 12 V/1.5 A

WPS/ Wi-Fi   Gigabit LAN Ports   Power On/Off

Reset   Gigabit WAN Port   Power

Software

- **Protocols:** IPv4, IPv6
- **OneMesh:** Supported
- **Parental Controls:** URL Filtering, Time Controls
- **WAN Types:** Dynamic IP, Static IP, PPPoE, PPTP, L2TP
- **Quality of Service:** QoS by Device
- **Cloud Service:** Auto Firmware Upgrade, TP-Link ID, DDNS
- **NAT Forwarding:** Port Forwarding, Port Triggering, DMZ, UPnP, Virtual Server
- **DDNS:** TP-Link, NO-IP, DynDNS

Specifications

Physical

· **Dimensions (W×D×H):** 10.2 × 5.3 × 1.6 in (260.2 × 135 × 41.6 mm)

· **Package Contents:**

Wi-Fi Router Archer AX1800

Power Adapter

RJ45 Ethernet Cable

Quick Installation Guide

Other

· **System Requirements:**

Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser

Cable or DSL Modem (if needed)

Subscription with an internet service provider (for internet access)

· **Certifications:** FCC, CE, RoHS

· **Environment:**

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

Operating Humidity: 10%~90% non-condensing

Test Data

· WiFi Transmission Power:

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

· WiFi Reception Sensitivity:

2.4GHz:

11g 6Mbps: -96 dBm, 11a 54Mbps: -75 dBm, 11ac VHT20_MCS0: -95 dBm,

11ac VHT20_MCS8: -72 dBm, 11ac VHT40_MCS0: -92 dBm, 11ac VHT40_MCS9: -67 dBm,

11ax HE20_MCS0: -95 dBm, 11ax HE20_MCS11: -65 dBm, 11ax HE40_MCS0: -92 dBm,

11ax HE40_MCS11: -62 dBm

5GHz:

11a 6Mbps: -96 dBm, 11a 54Mbps: -75 dBm, 11ac VHT20_MCS0: -95 dBm,

11ac VHT20_MCS8: -71 dBm, 11ac VHT40_MCS0: -92 dBm, 11ac VHT40_MCS9: -66 dBm,

11ac VHT80_MCS0: -89 dBm, 11ac VHT40_MCS9: -62 dBm, 11ax HE20_MCS0: -95 dBm,

11ax HE20_MCS11: -64 dBm, 11ax HE40_MCS0: -92 dBm, 11ax HE40_MCS11: -60 dBm,

11ax HE80_MCS0: -89 dBm, 11ax HE80_MCS11: -59 dBm

For more information, please visit

http://www.tp-link.com/products/details/Archer-AX1800.html

or scan the QR code left