tp-link

Wi-Fi 7

BE9300 Tri-Band Wi-Fi 7 Router

Redefining Wi-Fi Routers

Archer BE550

Blazing-Fast Speeds
3.6× Faster with 9214 Mbps Tri-Band Wi-Fi[‡]

Ultra Smooth Wi-Fi
Lower Latency with Minimal Buffering[△]
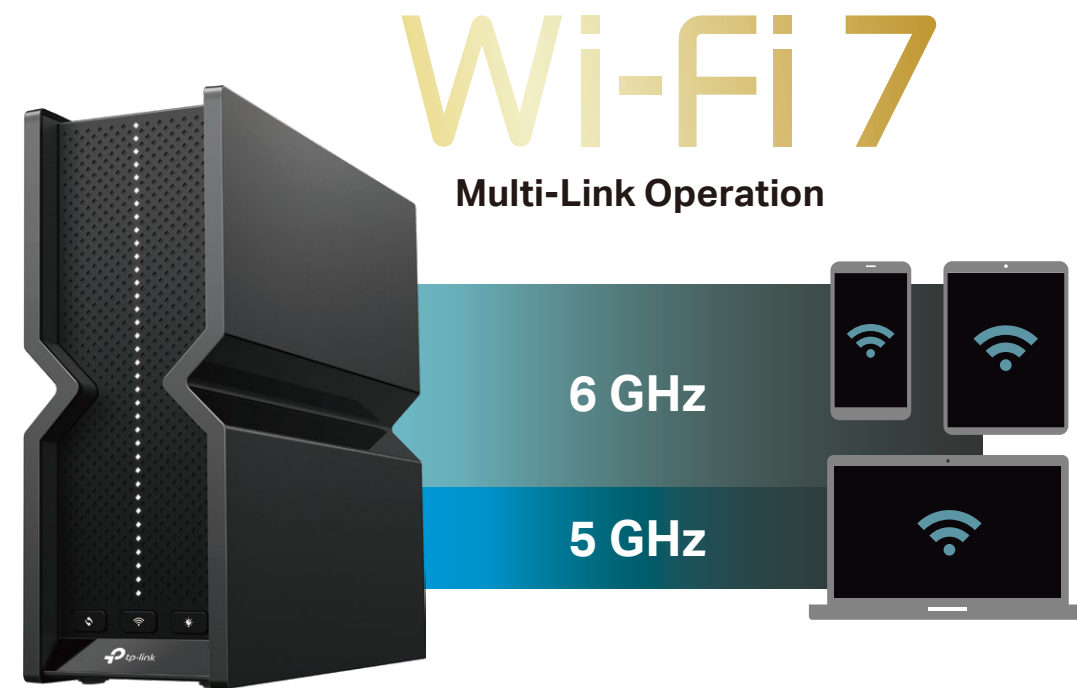
Far-Reaching Coverage
Broader 360-Degree Wi-Fi[†]

Full Multi-Gig Connectivity
5× 2.5 Gbps Ports Boost Wired Connections

Highlights

Wi-Fi 7 — Wi-Fi Like Never Before

Wi-Fi 7

Multi-Link Operation

6 GHz

5 GHz

Blazing-Fast 9214 Mbps Tri-Band Wi-Fi†

Wi-Fi 7 unleashes the full potential of the 6 GHz band with up to 320 MHz channels and 5.8 Gbps Wi-Fi speeds. Enjoy full access to 8K streaming and high-speed downloading.†※

3.6× Faster Speeds to Power Your Devices

Multi-Link Operation (MLO) enables Archer BE550 to transmit data with Wi-Fi 7 clients across the 6 GHz and 5 GHz bands simultaneously, delivering 3.6× faster Wi-Fi speeds than Wi-Fi 6/6E routers.‡

Ultra Smooth Wi-Fi with Lower Latency

Significantly lower latency than Wi-Fi 6/6E routers enables emerging applications like VR/AR, video conferencing, and online gaming to always run at top performance.△
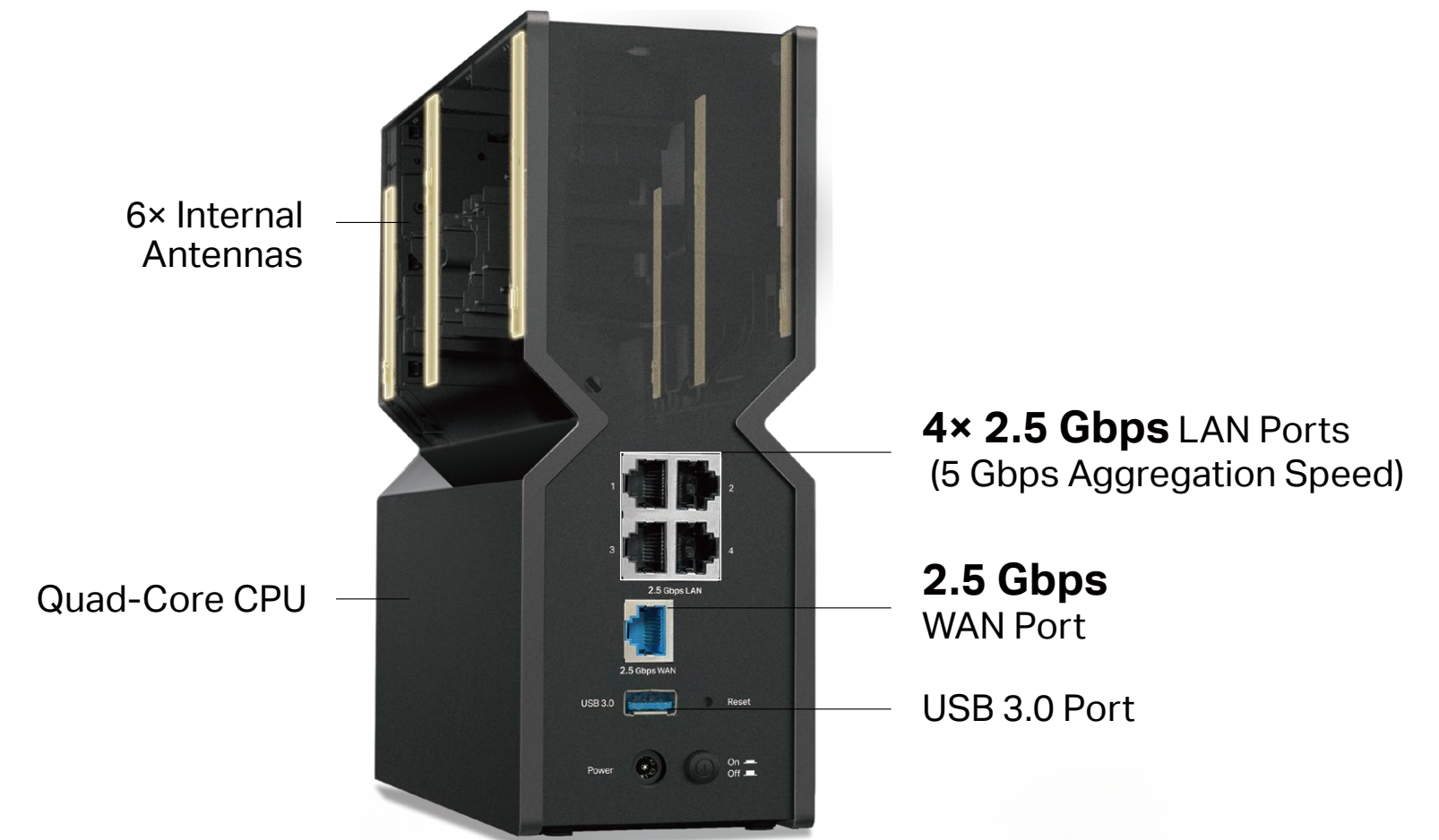
Higher Capacity for More Devices†

Communicates with multiple devices via 6 streams and tri-band simultaneously. Combined with the powerful CPU, Wi-Fi 7 provides congestion-free signals to your laptop, TV, thermostat, and baby monitor.

Archer BE550 — Redefining Wi-Fi Routers

6× Internal Antennas

4× 2.5 Gbps LAN Ports (5 Gbps Aggregation Speed)

Quad-Core CPU

2.5 Gbps WAN Port

USB 3.0 Port

5× 2.5 Gbps Ports for Full Multi-Gigabit Connectivity

One 2.5 Gbps WAN port maximizes home internet speeds with up to 2.5× the wired speed of a typical Gigabit Ethernet port. The additional four 2.5 Gbps LAN ports and one USB 3.0 port make Archer BE550 an ideal solution for future-proofing your home network.§

Far-Reaching Wi-Fi Coverage

6× optimally positioned antennas, proprietary Wi-Fi optimization, and Beamforming technology deliver broader coverage, more capacity, stronger and more reliable connections, and less interference.

TP-Link   BE9300 Tri-Band Wi-Fi 7 Router   Archer BE550

Highlights

TP-Link HomeShield

Manage online time and block inappropriate content to keep your family safe online with Parental Controls. Network Protection further keeps your home network safe by preventing potential threats and security issues.**

HomeShield

Network Protection

Parental Controls

Quality of Service (QoS)

Comprehensive Reports

Great Compatibility

Take your Wi-Fi to the next level without worry. Archer BE550 offers great compatibility by working with all Wi-Fi generations and devices and all internet providers.* It also works with Alexa and Google Assistant.

Highlights

Flexible Whole Home Wi-Fi

Archer BE550 is compatible with EasyMesh to form seamless whole home mesh Wi-Fi, preventing drops and lag when moving between signals. Enjoy uninterrupted streaming when moving around your home.***

‹ Whole Home Mesh Wi-Fi ›
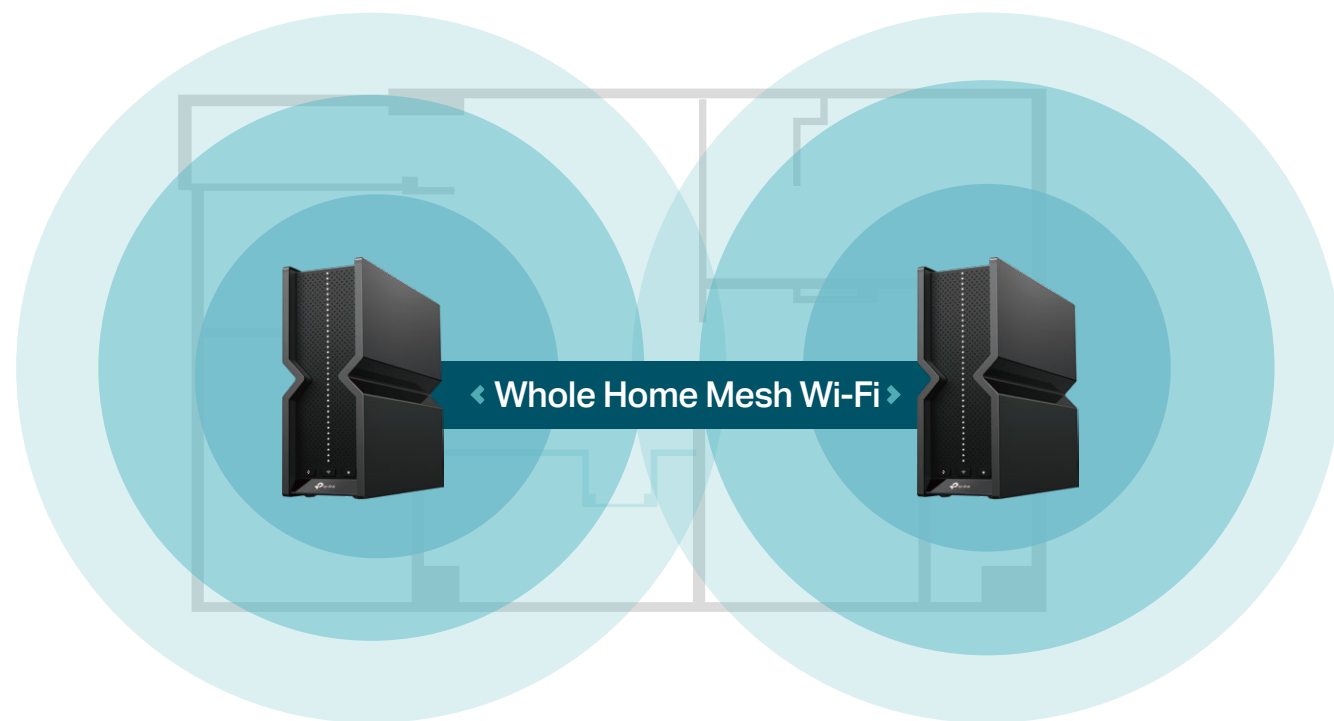
VPN Client Support

Archer BE550 allows specified devices in your home network to access remote VPN servers without needing to install VPN software on every device. Archer BE550 can also run a VPN and ordinary internet connections at the same time for added security and flexibility.

Internet

Encrypted VPN Connection

Router (VPN Client)
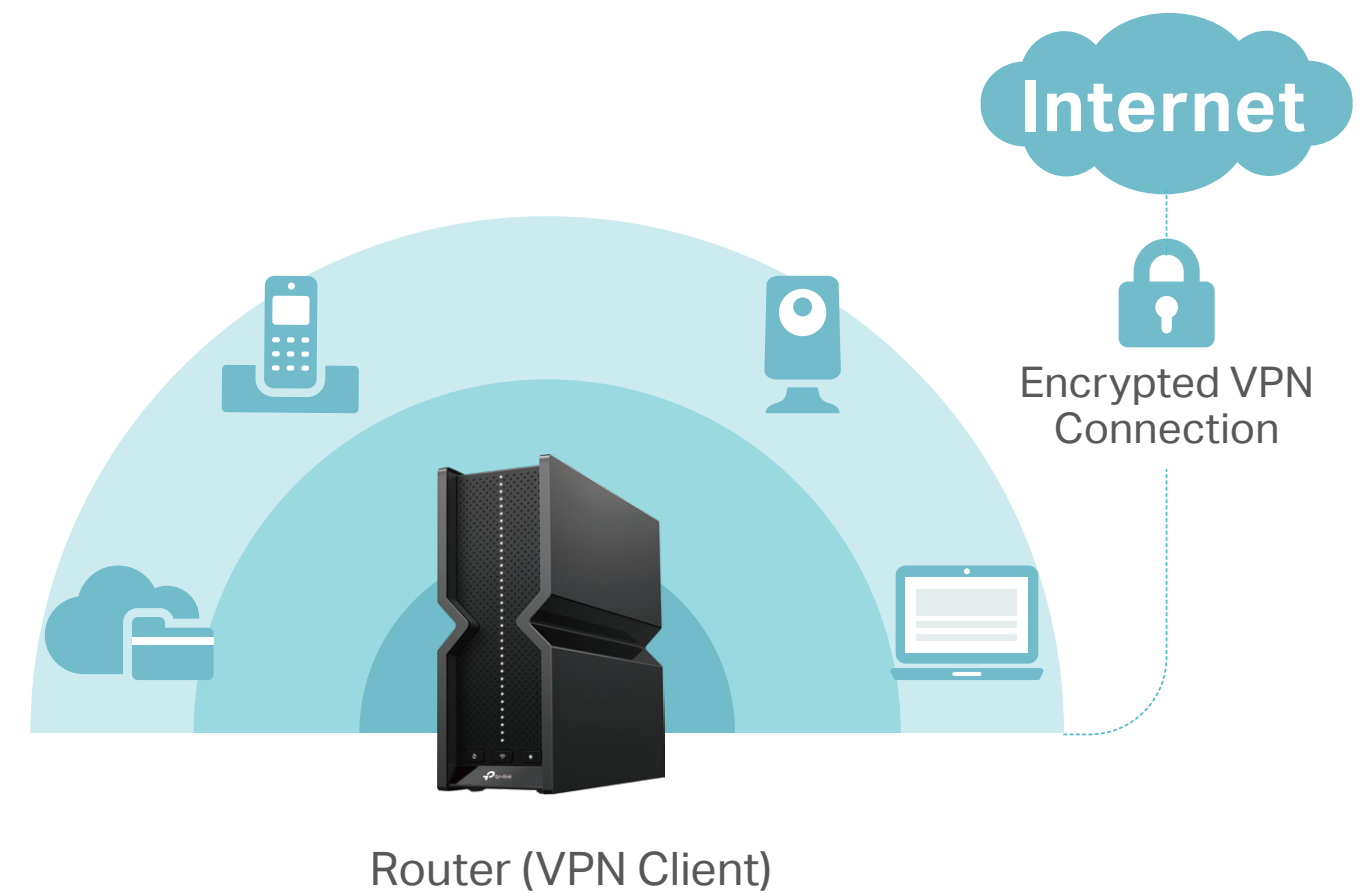
Features

Ultra-Fast Speed

· Blazing-Fast BE9300 Wi-Fi – Up to 9214 Mbps tri-band Wi-Fi 7 enables gaming, streaming and high-speed downloading on multiple devices—all at the same time[†]

· Full 2.5G Ports – One 2.5 Gbps WAN port and four 2.5 Gbps LAN ports break through the 1G bottleneck, driving your devices to peak performance.

· Greenfield 6 GHz Band – Provides robust high-speed connections with a brand-new expansive and congestion-free band.

· Wi-Fi 7 – Wi-Fi 7 (802.11be) features advanced technologies, including 320MHz channels and 4K QAM, drastically increasing the speed and efficiency of your entire network.[‡]

· Smart Connect – Intelligently assigns each device to the best Wi-Fi band for optimal performance.

Reliable Connections

· 9214 Mbps Tri-Band WiFi 7 – Enables your devices to run at full speed. Enjoy fluent 4K/8K streaming, immersive AR/VR gaming, and blazing-fast downloads.[†‡]

· Airtime Fairness – Balances bandwidth of connected devices to improve overall throughput and efficiency.
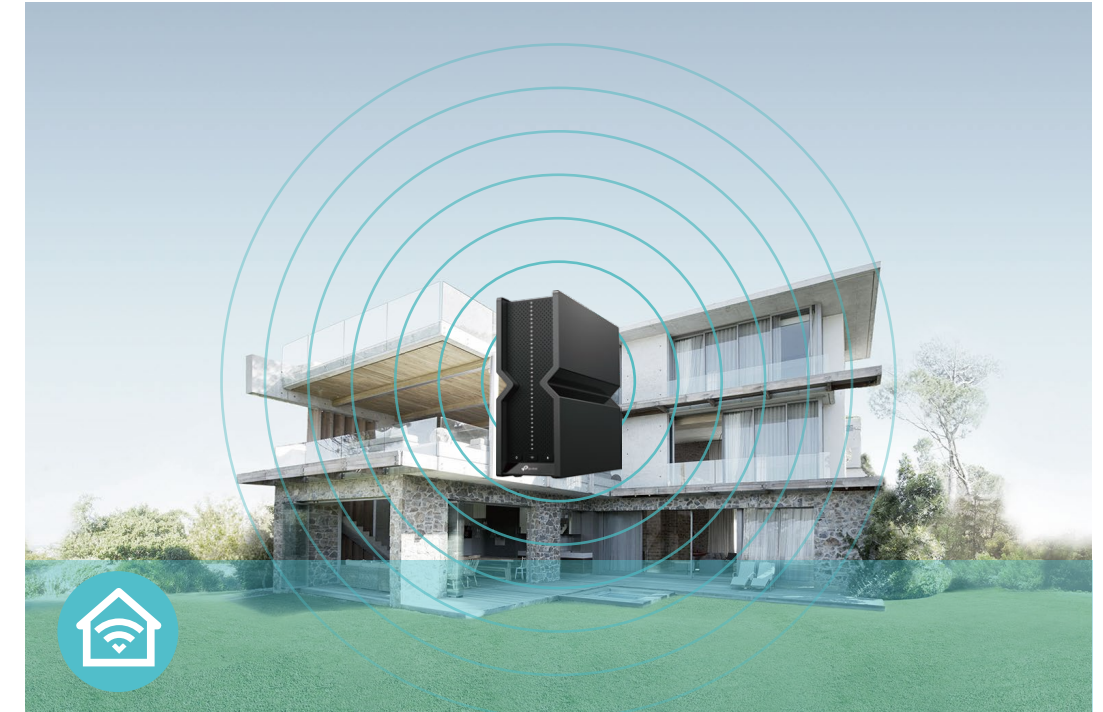
Broad Wi-Fi Range

· Ultimate Range Wi-Fi – Proprietary WiFi optimization and 6x optimally positioned antennas boost WiFi signals throughout your home.

· Beamforming Technology – Concentrates Wi-Fi signals towards individual devices to ensure stronger connections.

· Seamless EasyMesh network – Transfer between seamless whole-home Wi-Fi without any drops or lag and manage your whole network using a centralized panel.
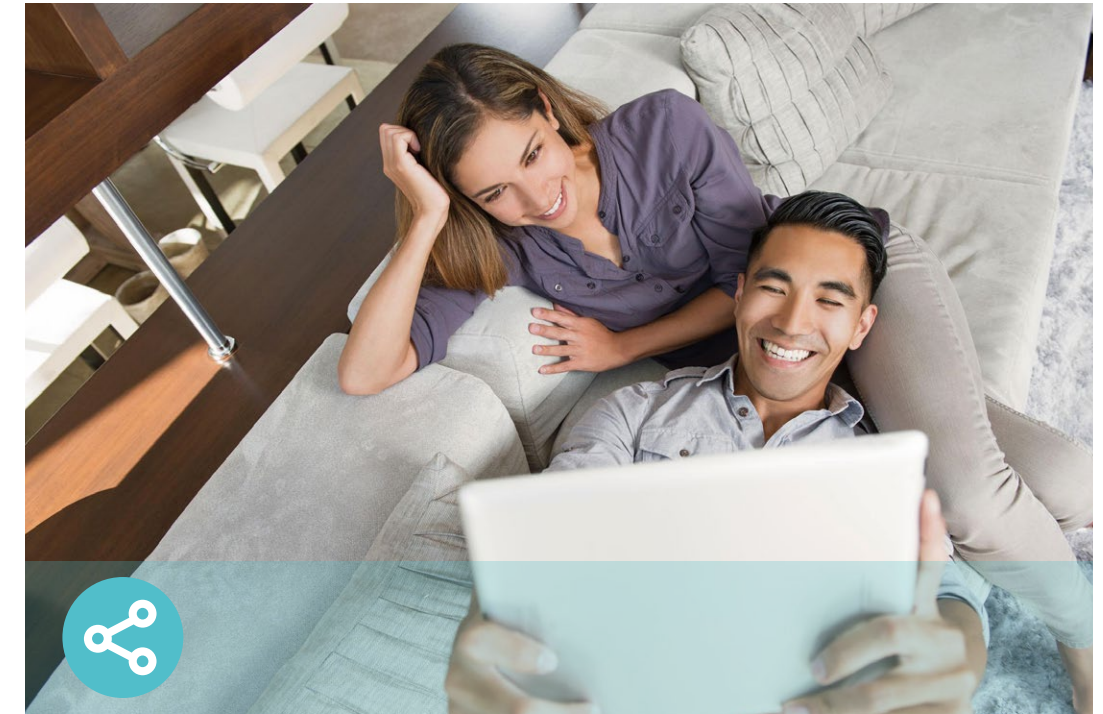
Features

Ease of Use

· Hassle-free Management with Tether App – Network management is made easy with the TP-Link Tether app, available on any Android and iOS device.

· 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.

· Backwards Compatible – Take your Wi-Fi to the next level while being backwards compatible with existing 802.11a/b/g/n/ac/ax Wi-Fi standards.

· Works with Amazon Alexa and Google Assistant – Utilize Amazon Alexa and Google Assistant to control everything via voice commands to enjoy truly intelligent life.

Robust Security

· HomeShield – TP-Link's premium security services keep your home network safe with cutting-edge features for network and IoT protection.**

· Parental Controls – Manage online time and block inappropriate content to control your family's digital habits.

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

· Advanced WPA3 Encryptions – The latest WiFi security protocol, WPA3, brings new capabilities to improve cybersecurity in personal networks.☆

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

Value-Added Features

· VPN Clients and Server Supported – With VPN client support, BE550 allows specified devices in your home network to access remote VPN servers without needing to install VPN software on every device.

· USB 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.

· More Values – Advanced functions like IPTV, IPv6 compatibility, and Access Point mode bring more values.

Specifications

Wireless

· Standards: IEEE 802.11be/ax 6 GHz, IEEE 802.11be/ax/ac/n/a 5 GHz, IEEE 802.11ax/n/g/b 2.4 GHz

· WiFi Speeds: 5760 Mbps (6 GHz) + 2880 Mbps (5 GHz) + 574 Mbps (2.4 GHz)[†]

· WiFi Range: 6× High-Performance Antennas with Optimized Layout

· WiFi 7 Features: Multi-Link Operation (MLO), 320 MHz Bandwidth, 4K-QAM, and Multi-RUs

· 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, HomeShield Security

· Guest Network:
  6 GHz Guest Network, 5GHz Guest Network, 2.4 GHz Guest Network

· VPN Server: OpenVPN, PPTP, L2TP VPN Server, Wireguard VPN

· VPN Client: OpenVPN, PPTP, L2TP VPN Client, Wireguard VPN

Hardware

· Ethernet Ports: 1× 2.5 Gbps WAN Port + 4× 2.5 Gbps LAN Ports

· USB Support: 1× USB 3.0 Port

· Buttons: Power On/Off Button, Reset Button, WPS Button, Wi-Fi Button, LED Button

Software

· Protocols: IPv4, IPv6

· Service Kits: HomeShield

· EasyMesh: Supported

· Parental Controls: HomeShield Parental 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

· DDNS: TP-Link, NO-IP, DynDNS

Specifications

Physical

· Dimensions: 3.0 × 9.1 × 8.0 in (76 × 231.7 × 203 mm)

· Package Contents:

Wi-Fi Router Archer BE550

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℃~40℃ (32℉~104℉)

Operating Humidity: 10%~90% non-condensing

For more information, please visit

https://www.tp-link.com/products/details/?model=Archer+BE550_V1

or scan the QR code left

Test Data

· WiFi Transmission Power:

FCC: ≤ 30 dBm (2.4 GHz), ≤ 30 dBm (5 GHz), ≤ 25 dBm (6 GHz)

CE: ≤ 23 dBm EIRP (5.17 GHz-5.35 GHz), ≤ 30 dBm EIRP (5.47 GHz-5.725 GHz); ≤ 20 dBm EIRP (2.4 GHz); ≤ 23 dBm EIRP (6 GHz)

· WiFi Reception Sensitivity:

2.4 GHz:

11ax HE20 MCS0: -95dBm，11ax HE20 MCS11: -65dBm

11ax HE40 MCS0: -93dBm，11ax HE40 MCS11: -63dBm

5 GHz:

11ax HE20 MCS0:-95dBm, 11ax HE20 MCS11:-64dBm

11ax HE40 MCS0:-93dBm, 11ax HE40 MCS11:-62dBm

11ax HE80 MCS0:-89dBm, 11ax HE80 MCS11:-59dBm

11ax HE160 MCS0:-85dBm, 11ax HE160 MCS11:-56dBm

11be EHT20 MCS13:-58dBm,11be EHT40 MCS13:-56dBm

11be EHT80 MCS13:-53dBm,11be EHT160 MCS13:-51dBm

6 GHz:

11ax HE20 MCS0:-95dBm, 11ax HE20 MCS11:-65dBm

11ax HE40 MCS0:-93dBm, 11ax HE40 MCS11:-63dBm

11ax HE80 MCS0:-90dBm, 11ax HE80 MCS11:-60dBm

11ax HE160 MCS0:-87dBm, 11ax HE160 MCS11:-58dBm

11be EHT20 MCS13:-60dBm,11be EHT40 MCS13:-58dBm

11be EHT80 MCS13:-54dBm,11be EHT160 MCS13:-52dBm

11be EHT320 MCS0:-84dBm,11be EHT320 MCS13:-48dBm