tp-link

BE19000 Tri-Band Wi-Fi 7 Router

Redefining Wi-Fi Routers

tp-link

Archer BE805

Unprecedented Speeds
3.9× Faster with 19 Gbps Tri-Band Wi-Fi[†][※]

Far-Reaching Coverage
Broader 360-Degree Wi-Fi[†]

Ultra Smooth Wi-Fi
4× Lower Latency with Minimal Buffering[*]

Multi-Gig Wired Connectivity
2× 10 Gbps Ports + 4× 1 Gbps Ports

Highlights

Wi-Fi 7 — Wi-Fi Like Never Before

Multi-Link Operation

6 GHz

5 GHz

2.4 GHz

🚀 Faster Speed, Lower Latency and More Reliability

Experience ultra-fast Wi-Fi speeds up to 19 Gbps. Enjoy full access to 8K streaming, online gaming, video conferencing and high-speed downloading.[†]

320 MHz

Doubles the width, doubles the speed. [‡△]

Multi-Link Operation

Increases throughput, reduces latency, and improves reliability.[‡]

4K-QAM

Packs 20% more data than Wi-Fi 6 for higher speeds[‡]

Multi-RUs

Makes full use of every resource for maximum efficiency[‡]

Higher Capacity, More Connected Devices[†]

Communicates with multiple devices via tri-band 12 streams simultaneously. Combined with the powerful CPU, Wi-Fi 7 provides congestion-free signals to your laptop, TV, thermostat, and baby monitor.

Highlights

Archer BE805 — Redefining Wi-Fi Routers

10× Internal Antennas

Quad-Core CPU

4× 1 Gbps LAN Ports

1× 10 Gbps WAN Port
1× 10 Gbps LAN Port
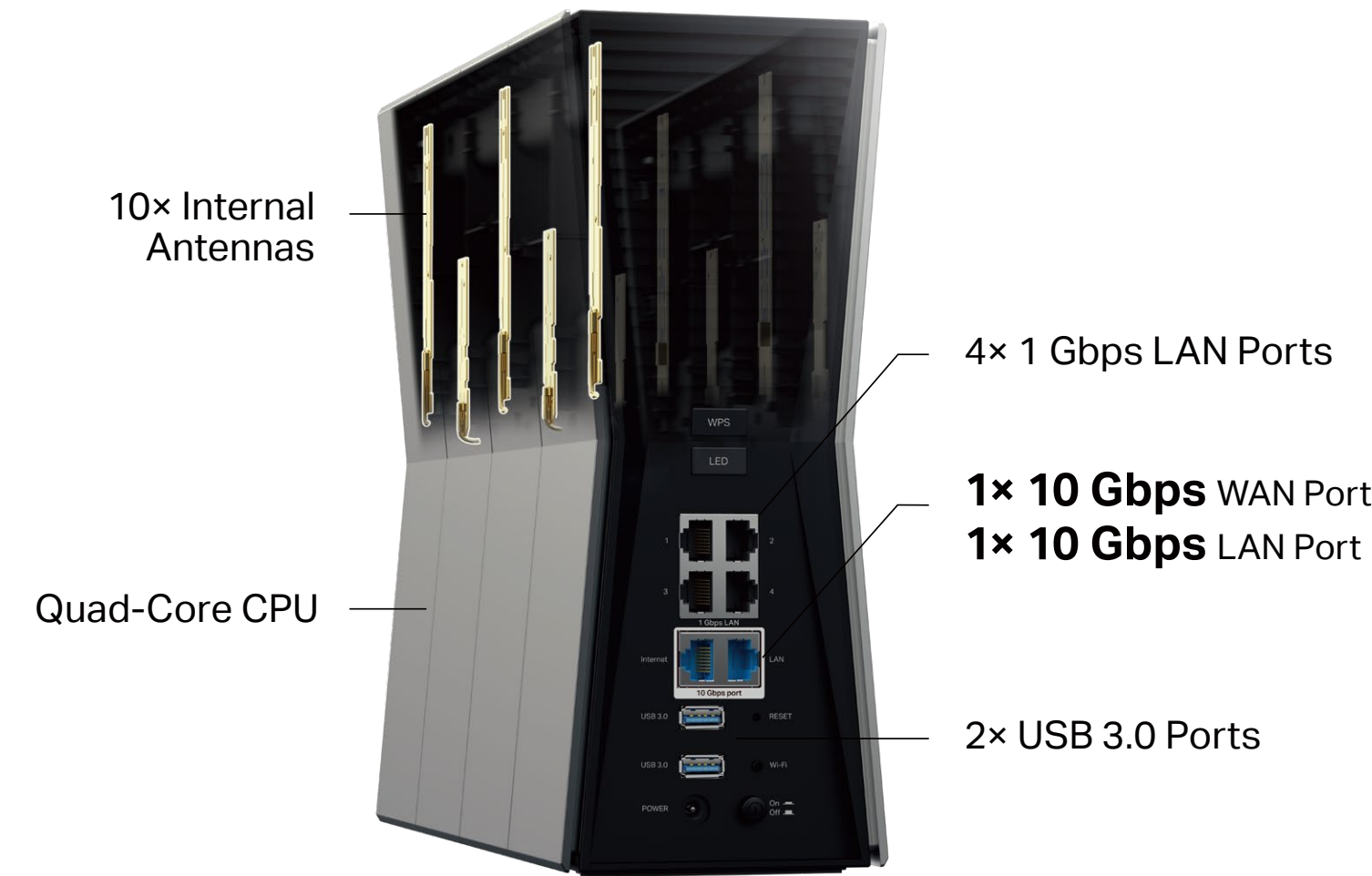
2× USB 3.0 Ports

2× 10 Gbps Ports for Multi-Gigabit Connections

Equipped with one 10 Gbps WAN port, one 10 Gbps LAN port, four 1 Gbps LAN ports and two USB 3.0 ports, Archer BE805 provides an ideal solution for future-proofing your home network.[§]

Far-Reaching Wi-Fi Coverage

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

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.*

Great Compatibility

Take your Wi-Fi to the next level without worry. Archer BE805 offers great compatibility by working with all Wi-Fi generations and devices and all internet providers.*** It also works with Alexa and Google Assistant.

HomeShield

- Network Protection
- Parental Controls
- Quality of Service (QoS)
- Comprehensive Reports

Highlights

Flexible Whole Home Wi-Fi

Archer BE805 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.◇
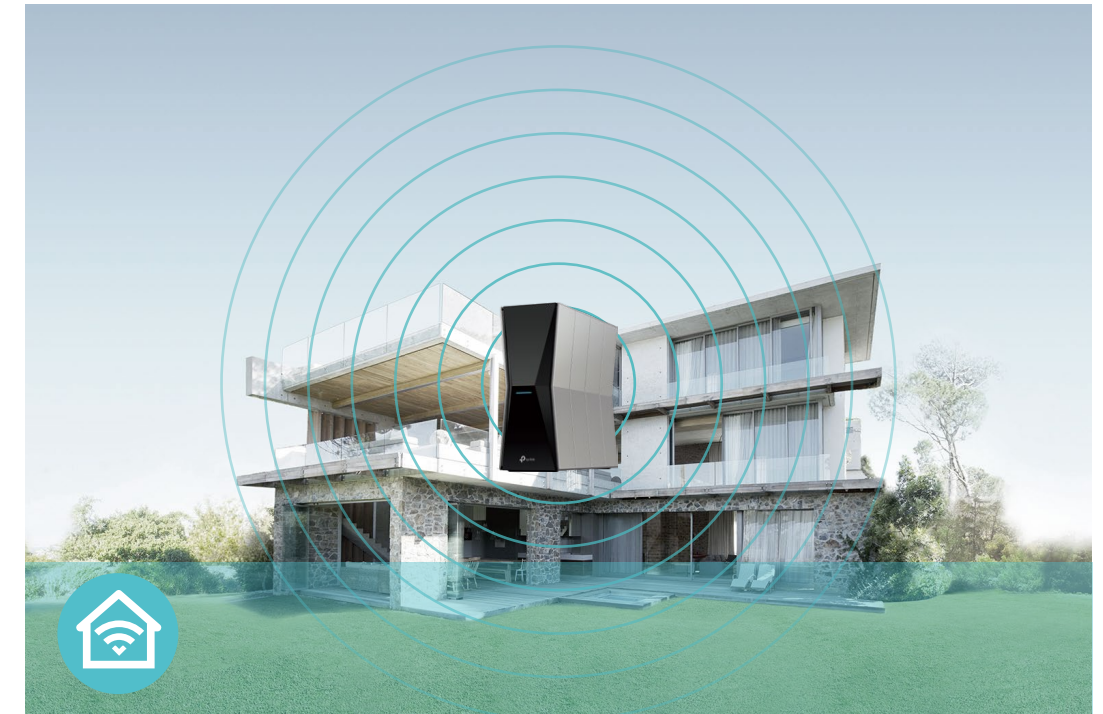

Whole Home Mesh Wi-Fi
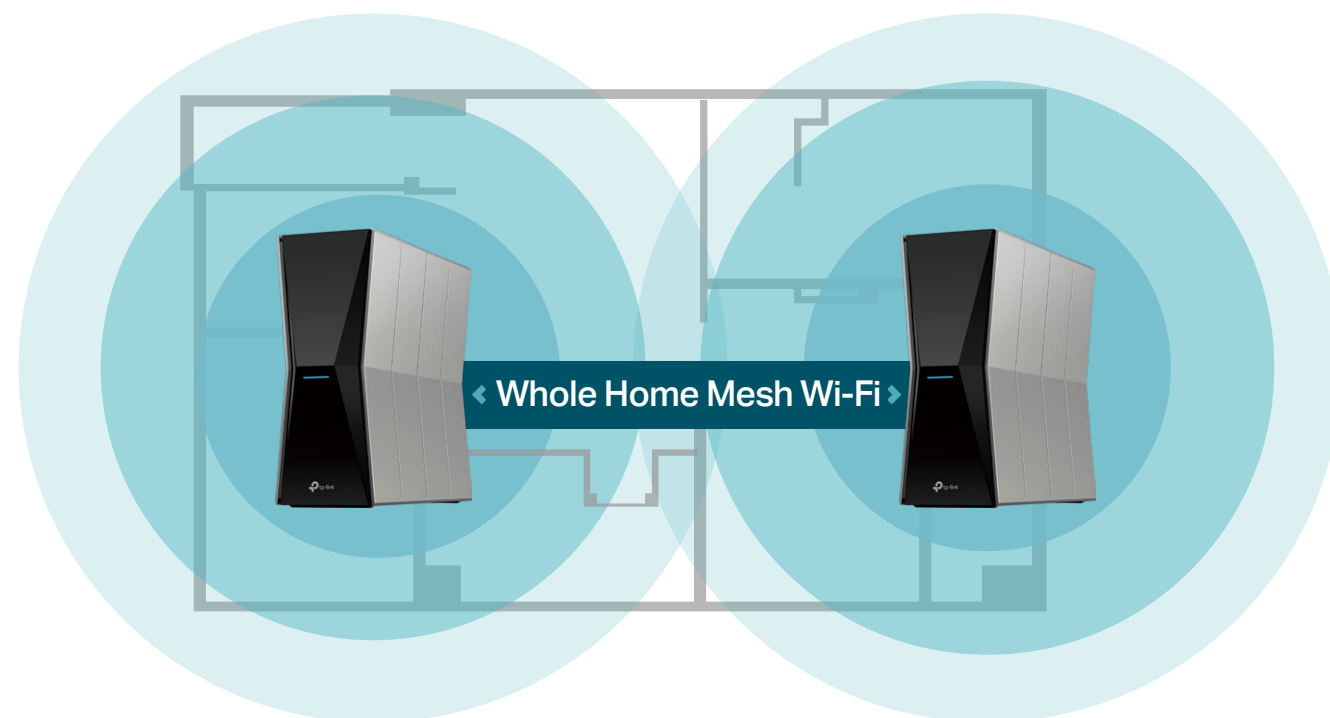
VPN Client Support

Archer BE805 allows specified devices in your home network to access remote VPN servers without needing to install VPN software on every device. It 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)
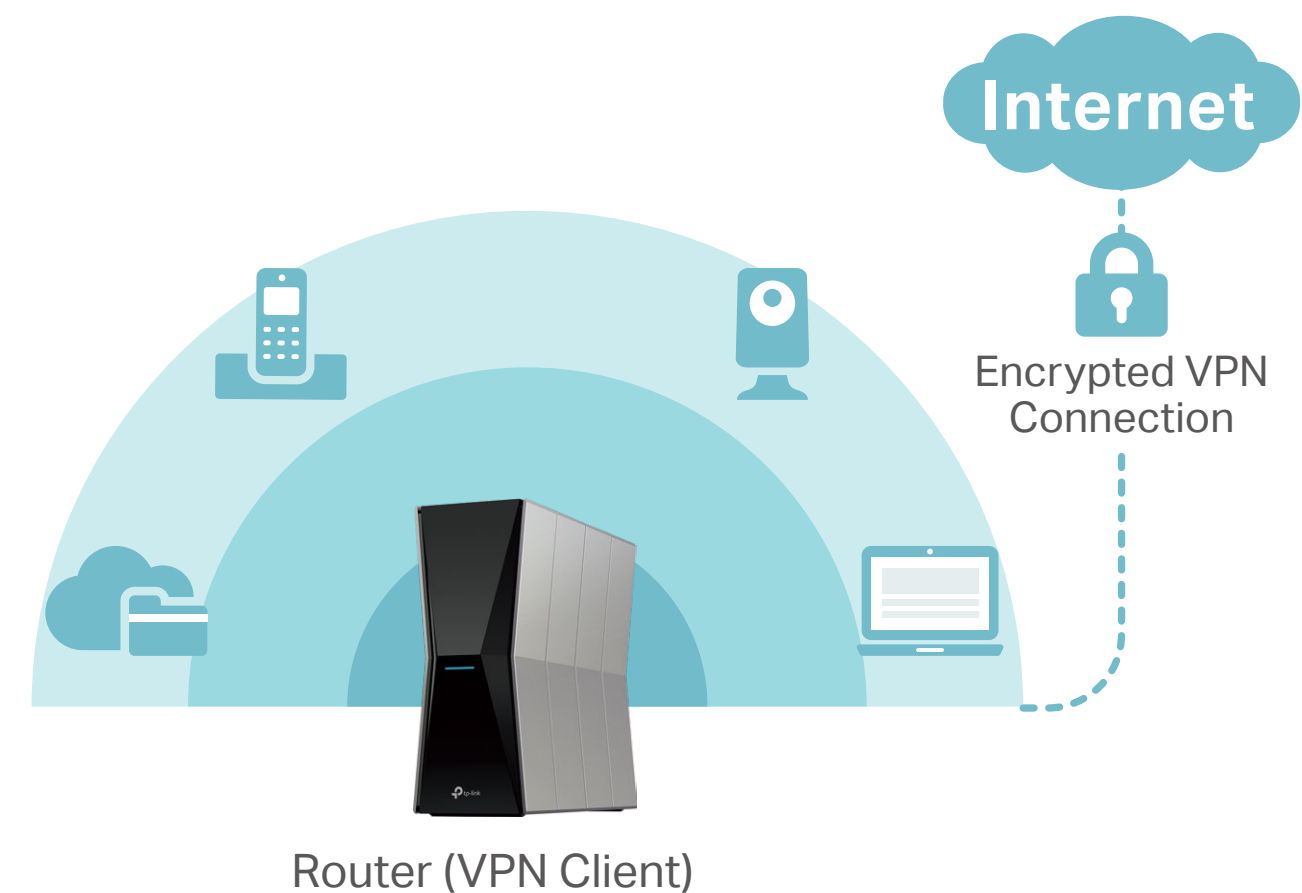
Features

Ultra-Fast Speed

· Warp-Speed BE19000 Wi-Fi – Up to 19 Gbps tri-band Wi-Fi 7 enables gaming, streaming and high-speed downloading on multiple devices—all at the same time.†

· Two 10G Ports – 1× 10 Gbps WAN port +1× 10 Gbps LAN port + 4× 1 Gbps LAN ports + 2× USB 3.0 ports ensure max flexibility and boosted throughput.

· 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.

High Capacity and Reliable Connections

· Maximized Capacity – Communicates with multiple devices via 12 streams and tri-band simultaneously. Combined with OFDMA and MU-MIMO, 12 streams won't affect your online gaming.‡

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

· Airtime Fairness – Balances bandwidth of connected devices to improve overall throughput and efficiency.

Broad Wi-Fi Range

· Maximized Coverage – Proprietary WiFi optimization and 10× optimally positioned antennas along with Beamforming deliver more capacity, stronger and more reliable connections, and less interference.

· 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.

TP-Link BE19000 Tri-Band Wi-Fi 7 Router   Archer BE805
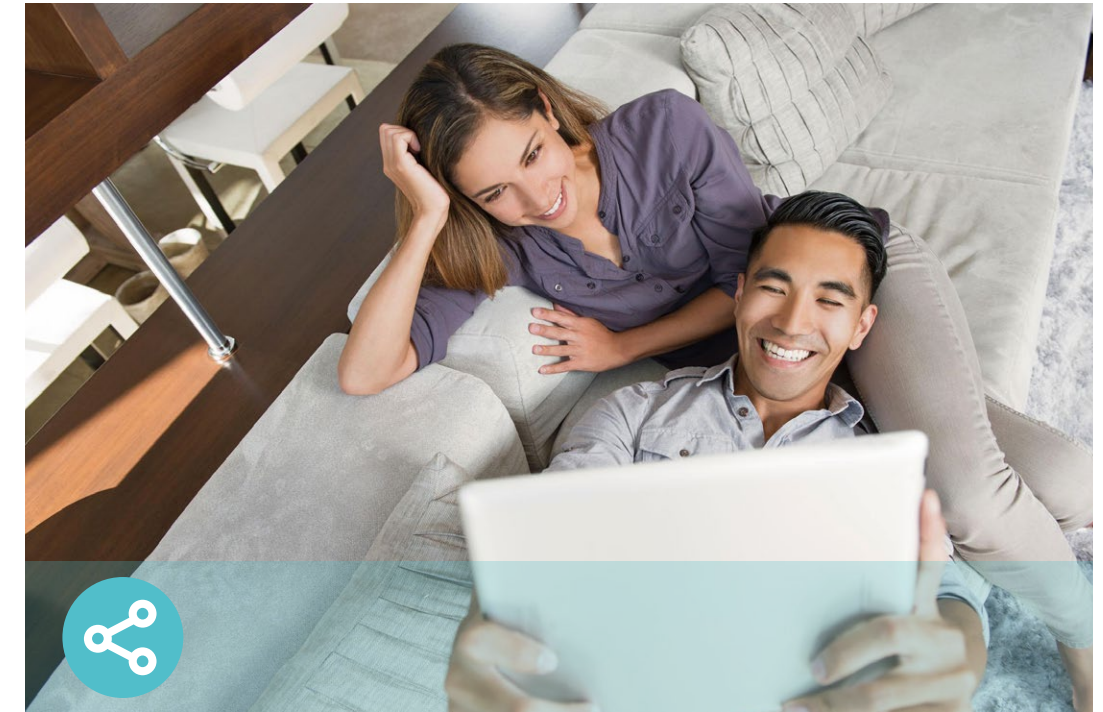
Features
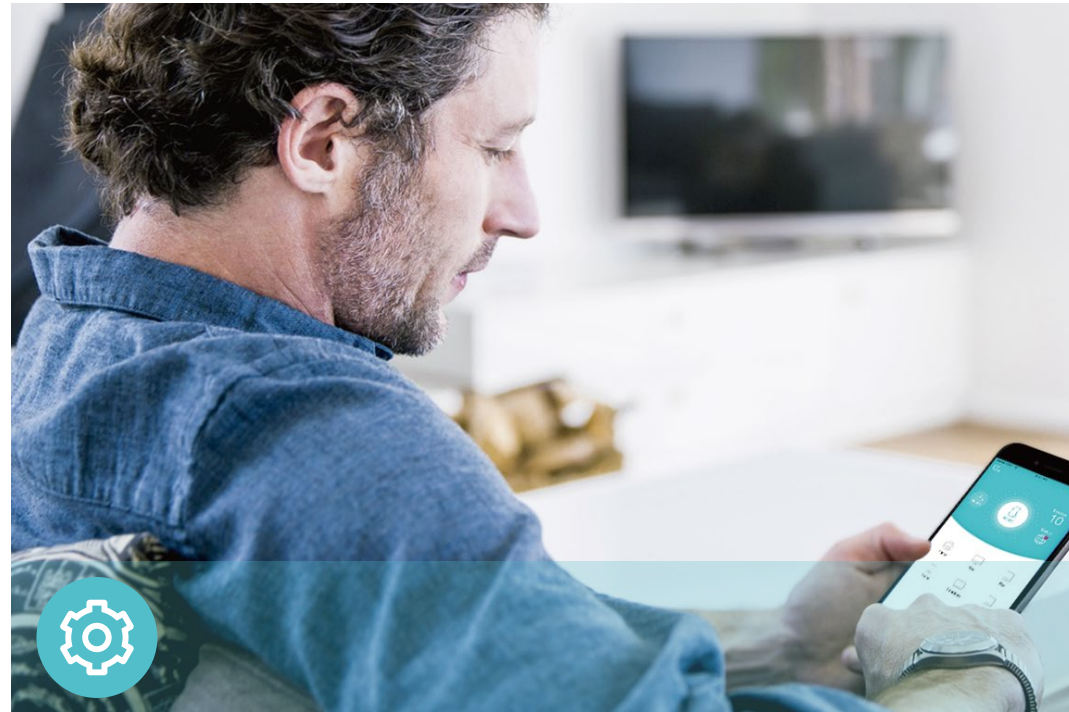
Ease of Use

· 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, BE805 allows specified devices in your home network to access remote VPN servers without needing to install VPN software on every device.

· USB Ports – Connect 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 802.11be/ax/n/g/b 2.4 GHz

· WiFi Speeds: 11520 Mbps (6 GHz) + 5760 Mbps (5 GHz) + 1376 Mbps (2.4 GHz)[†]

· WiFi Range: 10× 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× 10 Gbps WAN Port + 1× 10 Gbps LAN Port + 4× 1 Gbps LAN Ports[§]

· USB Support: 2× USB 3.0 Ports

· 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: 11.7 × 4.1 × 10.4 in (297 × 104.3 × 264.5 mm)
- Package Contents:

  Wi-Fi Router Archer BE805

  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, 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+BE805_V1

  or scan the QR code left

Test Data

- WiFi Transmission Power:

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

- WiFi Reception Sensitivity:

  2.4 GHz:

  11ax HE20 MCS0:-96dBm, 11ax HE20 MCS11:-68dBm

  11ax HE40 MCS0:-93dBm, 11ax HE40 MCS11:-65dBm

  11be EHT20 MCS13:-62dBm,11be EHT40 MCS13:-58dBm

  5 GHz:

  11ax HE20 MCS0:-95dBm, 11ax HE20 MCS11:-66dBm

  11ax HE40 MCS0:-93dBm, 11ax HE40 MCS11:-64dBm

  11ax HE80 MCS0:-89dBm, 11ax HE80 MCS11:-61dBm

  11ax HE160 MCS0:-85dBm, 11ax HE160 MCS11:-58dBm

  11be EHT20 MCS13:-59dBm,11be EHT40 MCS13:-57dBm

  11be EHT80 MCS13:-55dBm,11be EHT160 MCS13:-52dBm

  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 MCS13:-48dBm