tp-link

BE19000 Tri-Band Wi-Fi 7 Range Extender

Boost your Wi-Fi

RE800BE

3.9× Faster Speed
19 Gbps Wi-Fi†※

Unprecedented 10G
10G Port + Gigabit Ports

Boosted Coverage
8× High-Gain Antennas

Lower Latency
MLO Improves Throughput△

Highlights

Wi-Fi 7 — Wi-Fi Like Never Before

6 GHz

5 GHz

2.4 GHz

Multi-Link Operation

Wi-Fi 7

Wi-Fi Like Never Before

3.9× Faster Speeds to Power Your Devices※

Multi-Link Operation (MLO) enables RE800BE to transmit data with Wi-Fi 7 clients across the 6 GHz, 5 GHz and 2.4 GHz bands simultaneously, delivering 3.9× faster Wi-Fi speeds than Wi-Fi 6/6E range extenders.△

Unprecedented 19 Gbps 12-Stream Tri-Band Wi-Fi†

Wi-Fi 7 unleashes the full potential of the 6 GHz band with up to 320 MHz channels and 11.5 Gbps Wi-Fi speeds. Enjoy full access to 8K streaming and high-speed downloading.†△

Ultra Smooth Wi-Fi with 4× Lower Latency☆

4× lower latency than Wi-Fi 6/6E range extenders 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 12 streams and tri-band simultaneously. Combined with its powerful CPU, Wi-Fi 7 provides congestion-free signals to your laptop, TV, thermostat, and baby monitor.

Highlights

Eliminate Wi-Fi Dead Zones with Unrivaled Wi-Fi 7

10 Gbps Wired Connection

NAS | Work Stations | Server | 8K Video

11520 Mbps (6 GHz)
5760 Mbps (5 GHz)
1376 Mbps (2.4 GHz)

Internet

Archer BE800

RE800BE

Existing Router Coverage

Expanded Coverage

Flexible Whole Home Mesh Wi-Fi

More than a Traditional Wi-Fi Extender

Connect with an EasyMesh-compatible router to create a mesh network for seamless whole home coverage or any other Wi-Fi router to boost your Wi-Fi range.[‡*]

- Wi-Fi Dead Zone Killer

- Uninterrupted Streaming[§]

- One Wi-Fi Name

- Unified Management[**]

Check the full list of TP-Link's EasyMesh-compatible extenders and routers at
tp-link.com/easymesh/product-list/

Highlights

BE19000 Tri-Band Wi-Fi 7 Range Extender
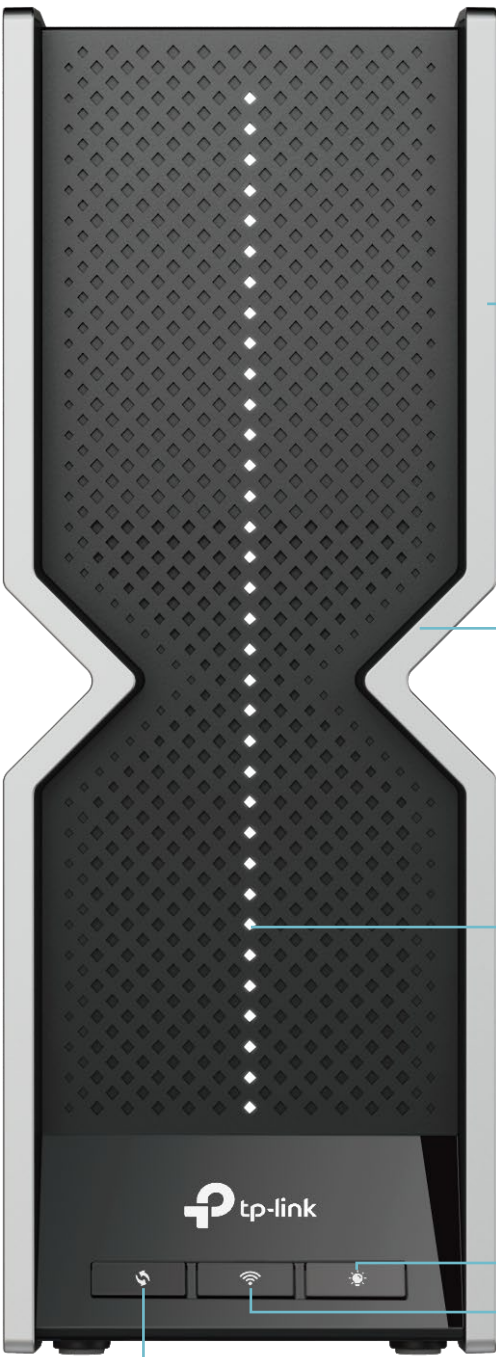
Advanced Case Design
• A larger heat sink and refined casing keep the system cool under performance.

V-Fold Design
• Maintains a sharp aesthetic and breaks the stereotype of Wi-Fi products.

LED Light Strip for Easier Use
• Displays Wi-Fi signal strength to help you better place RE800BE and receive better connections.

One-Touch Setup and Management
• Turn on/off the LEDs with the LED button
• Turn on/off Wi-Fi with the Wi-Fi button
• Instantly connect to a router with the WPS button

Blazing-Fast 6 GHz Band
With efficient 6 GHz connections and the widest 320 MHz bandwidth to date, RE800BE removes frustrations caused by overcrowded Wi-Fi networks.△

Great Compatibility
Take your Wi-Fi to the next level without worry. RE800BE offers great compatibility by working with all Wi-Fi generations and devices.***
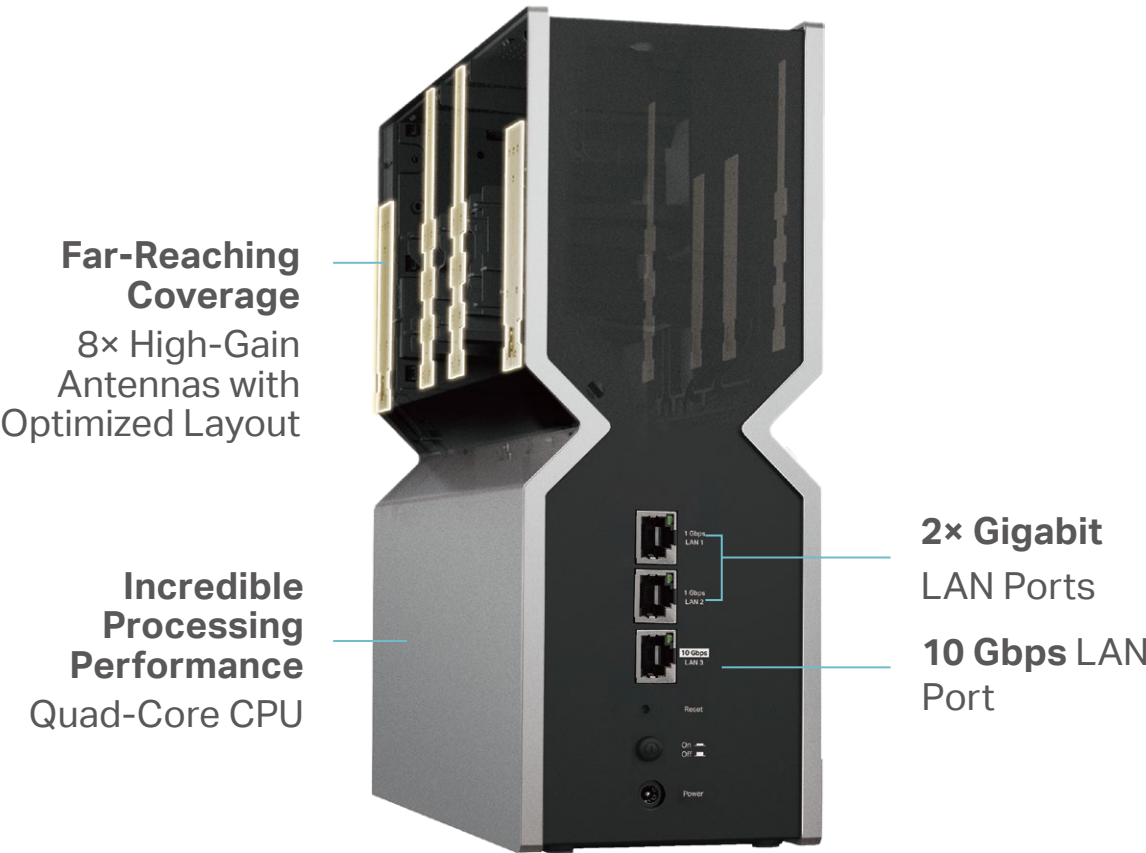
Far-Reaching Coverage
8× High-Gain Antennas with Optimized Layout

Incredible Processing Performance
Quad-Core CPU

2× Gigabit LAN Ports

10 Gbps LAN Port

10 Gbps Wired Connection

• Range Extender Mode
Plug your PC, smart TV, game console, or NAS device into the 10 Gbps port for a blazing-fast wired connection.
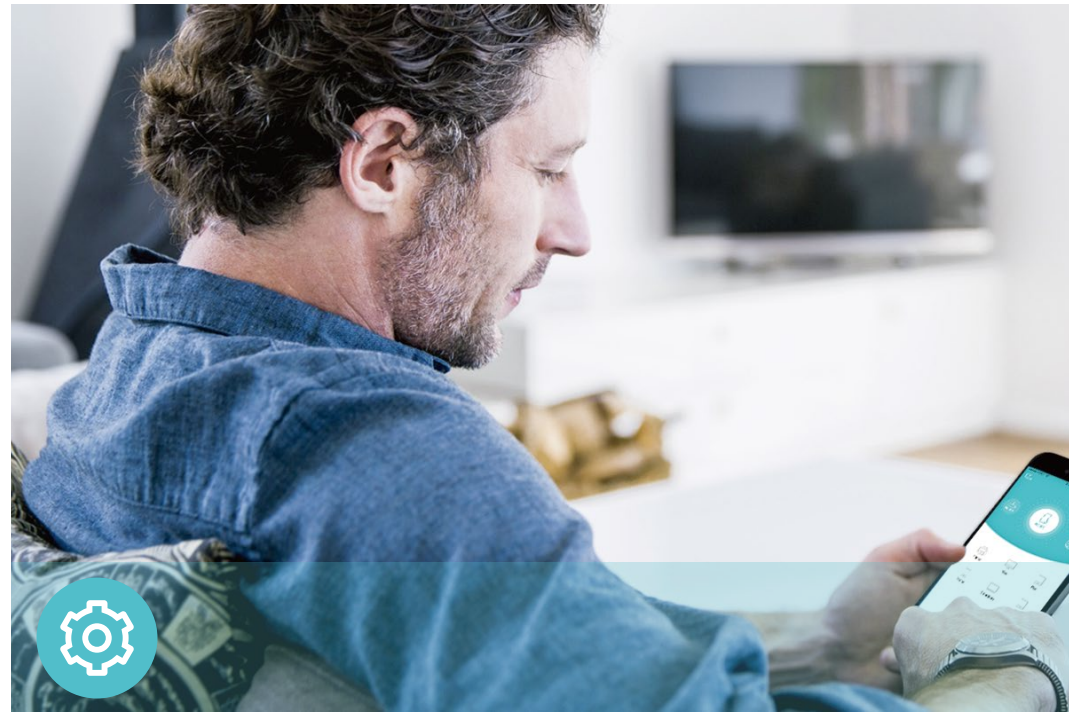
Router   RE800BE

• Access Point Mode
Connect RE800BE with a router to easily turn that 10G wired connection into a high-speed tri-band wireless signal.

Router   RE800BE
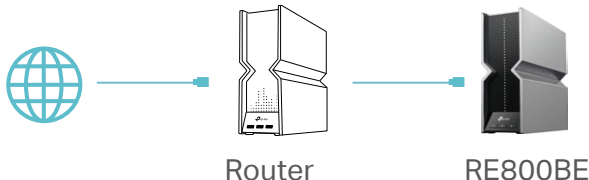
Features

Ease of Use

· Intuitive Web UI– Ensures quick and simple installation without hassle

· Fast Setup – One-touch connection with the WPS button

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

· Online Upgrade – Keeps you informed of the latest firmware and allows online updating on the web UI

Speed

· Ultimate Wireless Speed – Combined wireless speeds of up to 1376 Mbps at 2.4 GHz, 5760 Mbps at 5 GHz, and 11520 Mbps at 6 GHz[†]

· Support Wi-Fi 7 – Turbocharge your devices with wireless speeds of up to 19 Gbps

· Adaptive Path Selection – Keep your network running at top-speed by automatically choosing the fastest connection path to the router

Reliability

· Simultaneous Tri-Band – Separate Wi-Fi bands enable more devices to connect to your network without a drop in performance

· Reliable Connection – External antennas for optimal Wi-Fi coverage and reliable wireless connections

· Ultra-Low Latency – Take advantage of ultra-low latency to enjoy smoother online experience

Specifications

Hardware

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

· **Port:** 1× 10 Gbps LAN Port + 2× Gigabit LAN Ports

· **Antennas:** 8× High-Gain Antennas with Optimized Layout

· **Power Consumption:** 44W (Max)

· **Dimensions:** 11.9 × 10.3 × 3.8 in (302 × 262.5 × 96 mm)

Wireless

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

· **Frequency:** 2.4 GHz, 5 GHz, and 6 GHz

· **Signal Rate:** 1376 Mbps at 2.4 GHz, 5760 Mbps at 5 GHz, 11520 Mbps at 6 GHz

· **Transmit Power:** 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)

For more information, please visit
https://www.tp-link.com/products/details/?model=RE800BE_V1
or scan the QR code left

· **Reception Sensitivity:**

2.4 GHz:

11ax HE20 MCS0:-96dBm, 11ax HE20 MCS11:-66dBm

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:-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:-60dBm

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

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

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

· **Wireless Function:** LED Control, Access Control, Power Schedule, Wi-Fi Coverage

· **Wireless Security:** WPA/WPA-PSK2 encryptions, WPA2/WPA3

Others

· **Certification**

CE, RoHS

· **System Requirements**

Internet Explorer, Firefox, Chrome, Safari, or other JavaScript-enabled browser

*You are recommended to use the latest version

· **Package Contents**

Wi-Fi 7 Range Extender RE800BE

Power Adapter

Quick Installation Guide

RJ45 Ethernet Cable