tp-link

Wi-Fi 6

OneMesh

AX1500 Wi-Fi Range Extender

Works With Any Wi-Fi Router‡

RE505X

Wi-Fi 6
Dead-Zone Killer

Connect
More Devices△
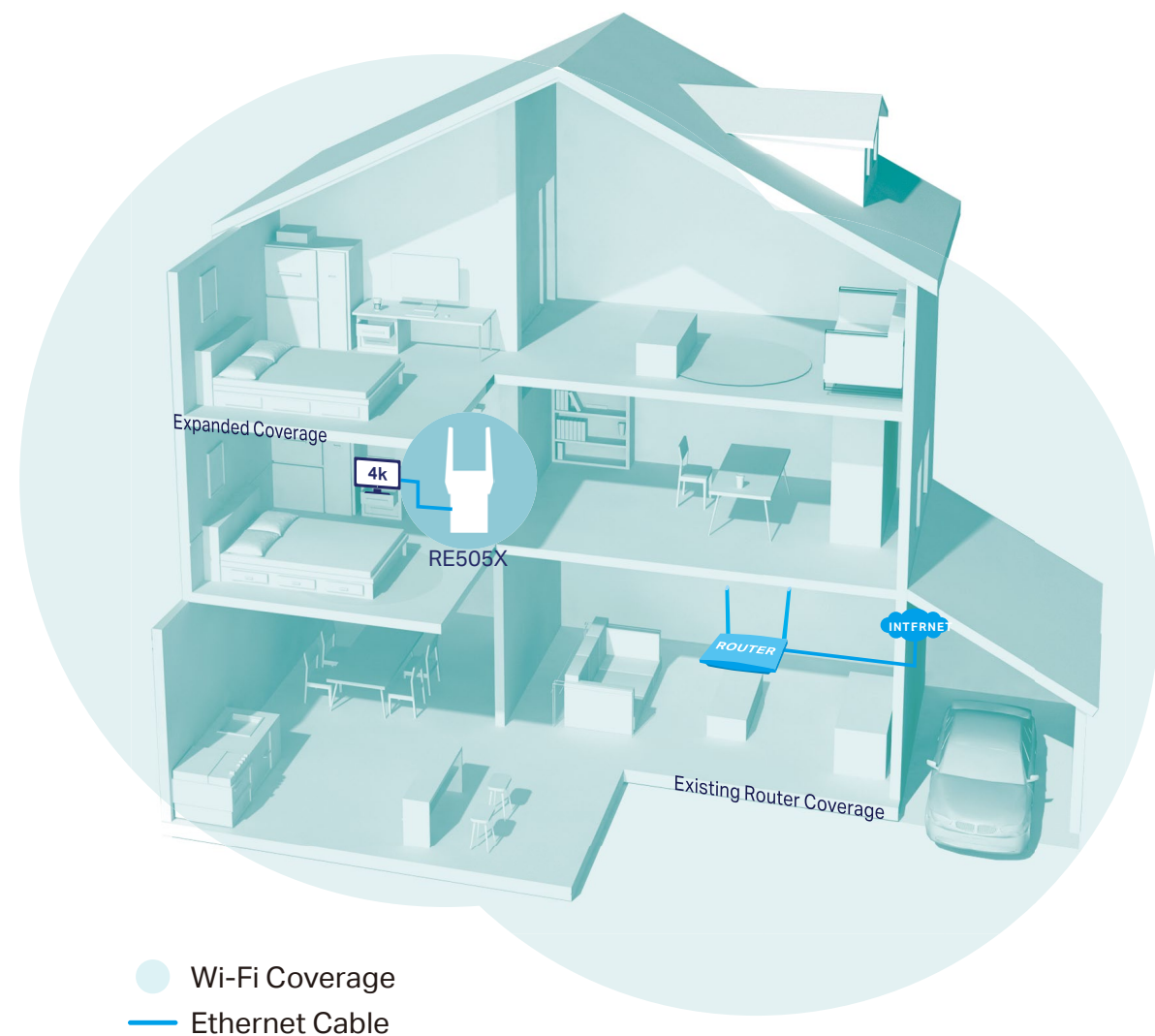
Uninterrupted
Streaming§

Faster
Wi-Fi 6 Speed

Easy Setup
Within Minutes

Highlights

Extend AX1500 Wi-Fi to Your Whole Home

Works with any Wi-Fi router to eliminate Wi-Fi dead zones, and blanket your home with stable, super-fast, seamless Wi-Fi via OneMesh™ .

Expanded Coverage

4k

RE505X

ROUTER

INTERNET

Existing Router Coverage

● Wi-Fi Coverage
— Ethernet Cable

Faster Wi-Fi 6 Speed

Turbocharge your devices with wireless speeds of up to 1.5 Gbps.

Larger Capacity△

Wi-Fi 6 builds a more efficient network that increases the average throughput by 4 times and serves more devices.

Ultra-Low Latency

Take advantage of ultra-low latency to enjoy smoother online experience.

Save Clients' Battery Power*

Target Wake Time schedules the connection time of battery-powered devices to reduce their power consumption.

Adaptive Path Selection

Keep your network running at top-speed by automatically choosing the fastest connection path to the router.

Access Point Mode

Create a new Wi-Fi access point to enhance your wired network with Wi-Fi capability.

Easy Setup Within Minutes

Easy setup and management via WPS button/Tether app/Web UI.

Highlights

OneMesh™

RE505X is more than a traditional range extender. It creates a Mesh network by connecting to a OneMesh™ router for seamless whole-home coverage.

Wi-Fi Dead-Zone Killer

Eliminate weak signal areas with Wi-Fi coverage for the whole house.

Smart Roaming

Enjoy uninterrupted streaming, surfing, and more—even when moving around your home.

One Wi-Fi Name

Stay connected to the same network name in every room.

Easy Setup and Unified Management

Push the WPS button to set up a Mesh network you can manage from the Tether app or web UI.

Check full list of OneMesh™ extenders and routers at
https://www.tp-link.com/One-Mesh/compatibility

*More compatible devices coming soon

Wi-Fi 6 Range Extender

Secure One-touch Connection(WPS)

Instantly connect the extender to a router without inference configuration.
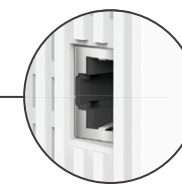
Smart Signal Indicator

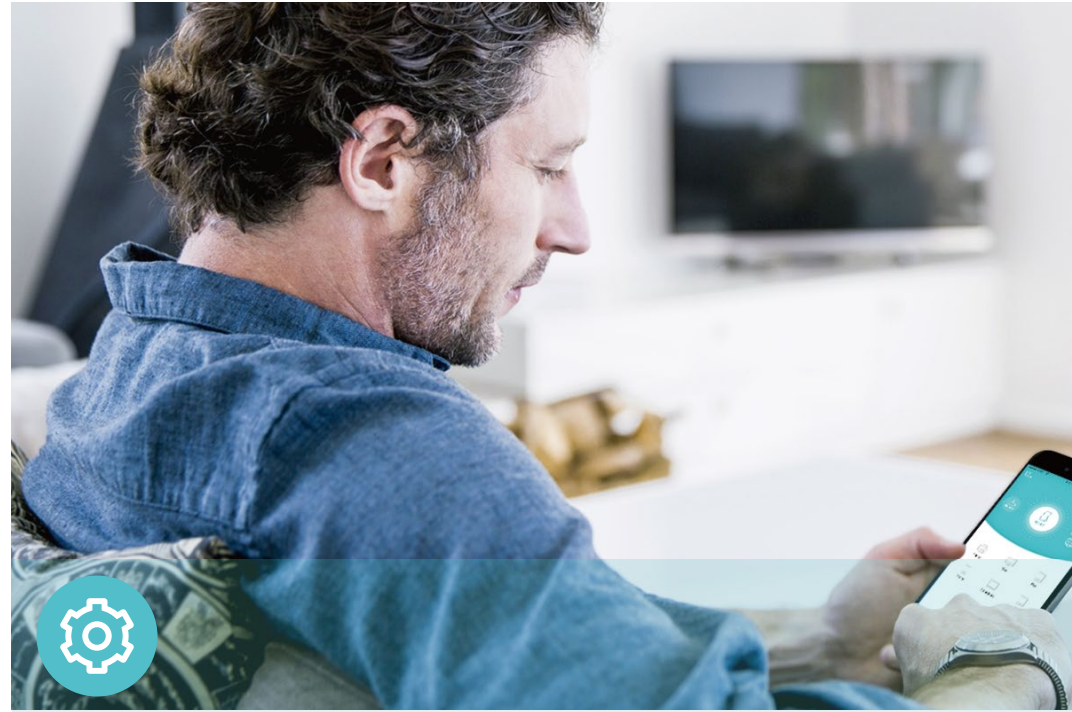See signal to find the best spot to extend Wi-Fi.

- Strong signal
- Weak signal

Gigabit Ethernet Port

Plug in to give wired device network access, particularly ideal for high bandwidth consuming devices.

PC   Game Console   Smart TV

Features

Ease of Use

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

· Fast Encryption – One-touch WPA wireless security encryption with the WPS button

· Hassle-free Management with Tether App – The network management is 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 300 Mbps (over 2.4 GHz) and 1200 Mbps (over 5 GHz)[†]

· Support Wi-Fi 6 – Turbocharge your devices with wireless speeds of up to 1.5 Gbps

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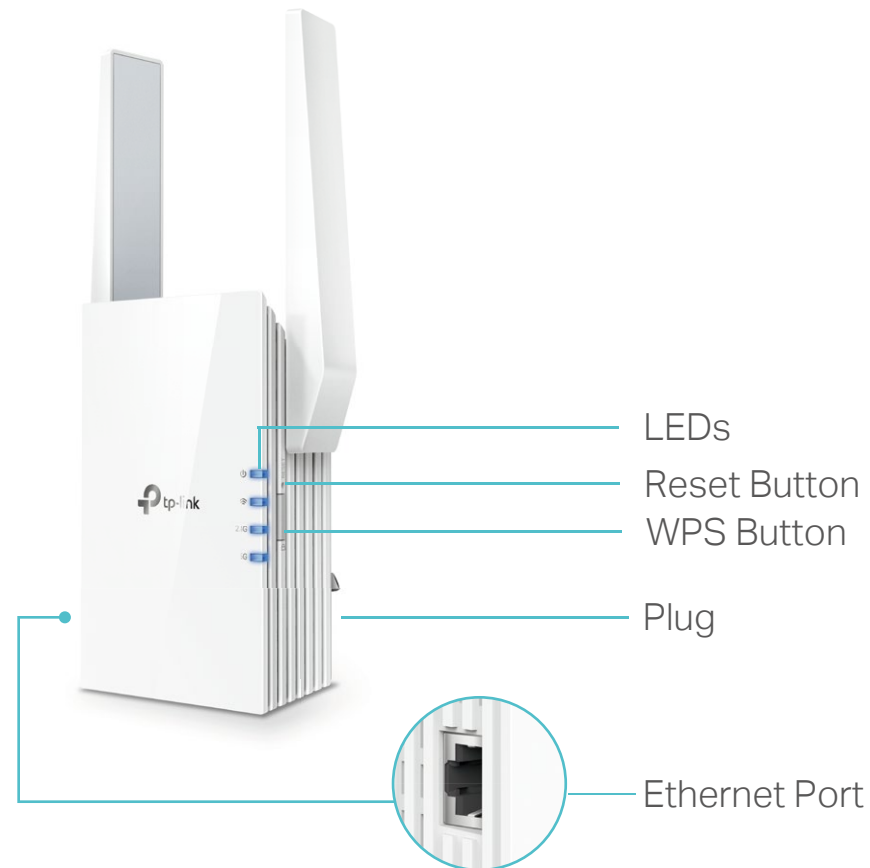
Reliability

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

· Reliable Connection – Internal 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:** WPS Button, Reset Button

· **Port:** 1 Gigabit Ethernet Port

· **Antenna:** 2 External Antennas

· **Power Consumption:** 10W

· **Dimensions (W × D × H):** 2.9×1.8×4.9 in. (74.0×46×124.8 mm)

LEDs
Reset Button
WPS Button

Plug

Ethernet Port

Wireless

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

· **Frequency:** 2.4 GHz and 5 GHz

· **Signal Rate:** 300 Mbps at 2.4 GHz, 1200 Mbps at 5 GHz

· **Reception Sensitivity:**

5 GHz:

11a 6Mbps:-93dBm, 11a 54Mbps:-75dBm

11ac HT20 MCS8:-70dBm, 11ac HT40 MCS9:-66dBm

11ac HT80 MCS9:-62dBm

2.4 GHz:

11g 6Mbps:-94dBm, 11g 54Mbps:-77dBm

11n HT20 MCS7:-75dBm, 11n HT40 MCS7:-72dBm

· **Wireless Function:** Enable/Disable Wireless Radio, Wireless Statistics

· **Wireless Security:** 64/128-bit WEP, WPA/WPA2-PSK encryptions

Others

· **Certification**

RCM, RoHS

· **System Requirements**

Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1, 10, MAC OS, NetWare, UNIX or Linux

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

· **Package Contents**

Wi-Fi Range Extender RE505X

Quick Installation Guide

For more information, please visit
https://www.tp-link.com/home-networking/range-extender/re505x/
or scan the QR code left

www.tp-link.com

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