

TP-Link RE405BE V1.6 (RE405BE)

TP-Link RE405BE V1.6 - Wi-Fi range extender - 1GbE, 2.5GbE, Wi-Fi 7 - Wi-Fi 5 - Wi-Fi 7 - 2.4 GHz, 5 GHz - cloud-managed



The TP-Link RE405BE V1.6 is a Wi-Fi range extender designed to enhance connectivity throughout your home or office. With a data transfer rate of up to 6.5 Gbps, it supports both 2.4 GHz and 5 GHz bands, making it versatile for various devices and applications. The external antenna system, featuring four antennas, helps expand your wireless coverage effectively, ensuring stable connections in larger spaces. Featuring te increased efficiency while retaining reliable performance. It includes several encryption protocols such as WPA3 for secure access, along with features like Smart Roaming, which optimizes your connection seamlessly. With an easy setup process supported by WPS and EasyMesh compatibility, getting started with the RE405BE V1.6 is straightforward, making it an ideal choice for users looking to upgrade their network infrastructure.

Key Selling Points

- Supports data transfer rates up to 6.5 Gbps
- Compatible with Wi-Fi 6 and Wi-Fi 7 standards
- Features four external antennas for better coverage
- Includes multiple security encryption options
- Easy to set up with WPS and EasyMesh compatibility

Product Features

- Enhanced connectivity**
The TP-Link RE405BE V1.6 provides a maximum data transfer rate of 6.5 Gbps, ensuring rapid and reliable connectivity across multiple devices, suitable for streaming, gaming, and browsing.
- Versatile wireless capabilities**
This range extender supports both 2.4 GHz and 5 GHz Wi-Fi bands, allowing users to enjoy optimal performance based on their specific needs, whether for faster speeds or extended range.
- Robust security features**
The device includes WPA, WPA2, and WPA3 security protocols, ensuring that your network remains secure against unauthorized access, providing peace of mind while using connected devices.
- Smart roaming technology**
Smart Roaming allows for seamless connectivity as devices move throughout your home or office, minimizing interruptions and maintaining strong connections as users change locations.
- Easy setup process**
With WPS and EasyMesh technology, the RE405BE V1.6 can be set up effortlessly, allowing users to expand their network without complicated configurations.

Main specifications

Product Description	TP-Link RE405BE V1.6 - Wi-Fi range extender - Wi-Fi 7 - cloud-managed
Device Type	Wi-Fi range extender
Form Factor	External
Localisation	United States
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, 2.5 Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7)
Frequency Band	2.4 GHz, 5 GHz
Performance	Maximum data rate (5 GHz): 5764 Mbps ¦ Maximum data rate (2.4 GHz): 688 Mbps ¦ Channel bandwidth: 160 MHz
Power	AC 100-240 V (50/60 Hz)

Extended specification

General

Device Type	Wi-Fi range extender
Localisation	United States

Expansion / Connectivity

Interfaces	1 x 2.5 GBase-T - RJ-45
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Networking

Form Factor	External
Connectivity Technology	Wireless, wired
Data Transfer Rate	6.5 Gbps
Line Coding Format	4096 QAM
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, 2.5 Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7)
Network / Transport Protocol	HTTP, HTTPs, TCP, DHCP, UDP
Remote Management Protocol	TCP/IP, UDP
Cloud-Managed	Yes
Frequency Band	2.4 GHz, 5 GHz
Performance	Maximum data rate (5 GHz): 5764 Mbps ¦ Maximum data rate (2.4 GHz): 688 Mbps ¦ Channel bandwidth: 160 MHz
Wi-Fi Rating	BE6500
Features	EasyMesh, Multi-Link Operation (MLO), Smart Roaming, WPS button, Access Point operational mode, reset button, Multiple Resource Unit (MRU)
Encryption Algorithm	WPA, WPA2-PSK, WPA2, WPA3
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11be

Miscellaneous

Compliant Standards	FCC, RoHS
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Power

Power Device	Internal power supply
Voltage Required	AC 100-240 V (50/60 Hz)

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 90% (non-condensing)

Aerial

Antenna	External
Antenna Qty	4

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