tp-link

Wi-Fi 7

BE9300

Wi-Fi 7 Bluetooth 5.4 PCIe Adapter

Archer TBE550E



Unrivaled Wi-Fi 7 Technology
Supercharges your desktop with Wi-Fi 7

Unparalleled Tri-Band Speed
5760 Mbps (6 GHz) + 2880 Mbps (5 GHz) + 688 Mbps (2.4 GHz)†

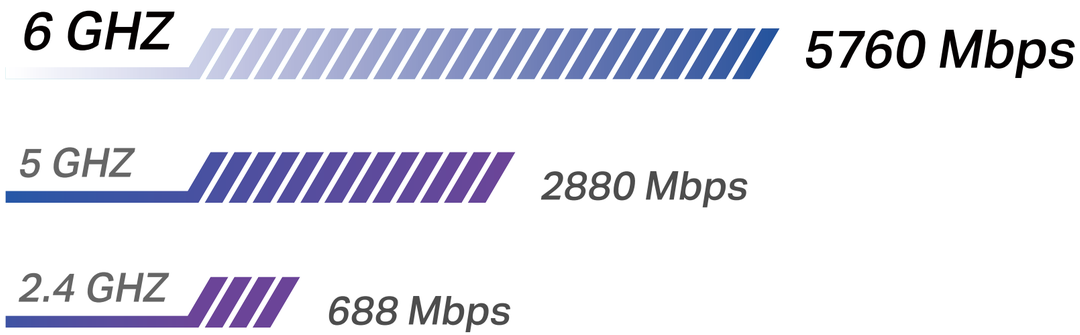
Double the Width, Double the Speed
Extends channel width to 320 MHz△

Maximized Signal Coverage
Magnetized base with multi-directional antennas

Highlights

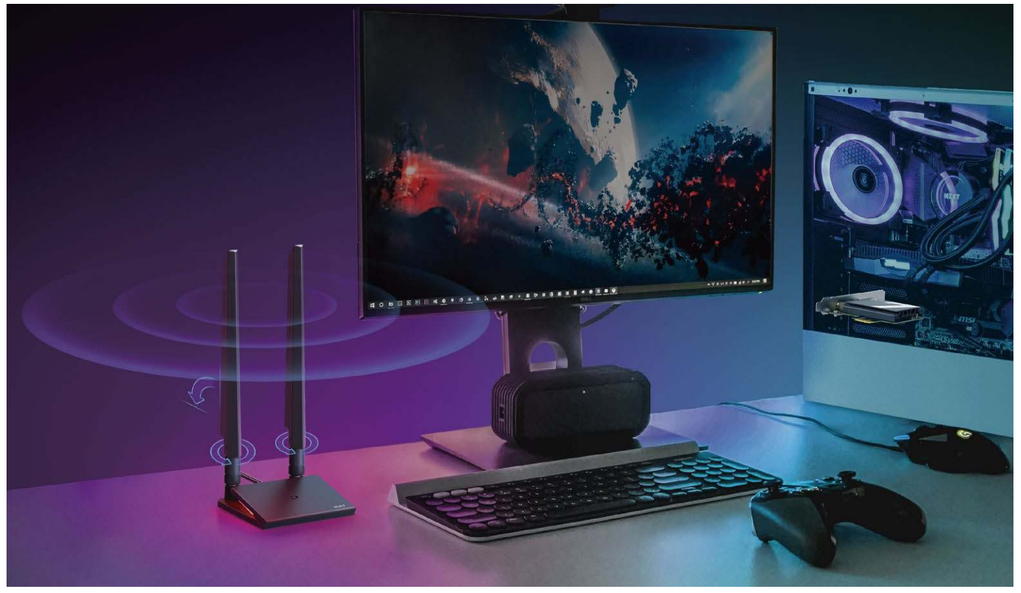
Incredibly Smooth Wi-Fi Experience

Wi-Fi 7 unlocks the full potential of the 6 GHz band, providing exceptional bandwidth and congestion-free channels exclusive to your desktop. Enhanced by 4096-QAM and 320MHz, TBE550E delivers astonishing wireless speeds, facilitating instant multi-stream media playback.‡



Maximized Coverage

Two multi-directional and high-performance antennas with a magnetized base extends your existing Wi-Fi reception capabilities, allowing you to stream throughout your home. Place the antenna base anywhere on your desktop to find the optimal location for signal reception.



Highlights

Multicolor Wi-Fi Status Lighting

With captivating LED lighting effects, the base not only offers an intuitive display of network status but also allows for effortless customization through its responsive touch switch. This combination enhances both functionality and aesthetics.



Fast Installation via USB Drive

Easily set up your Archer TBE550E using the included USB drive—even without a network connection. Experience a straightforward and user-friendly installation process.



Highlights

Bluetooth 5.4

Cutting-edge Bluetooth 5.4 offers enhanced reliability and security, ensuring seamless interoperability with game controllers, keyboards, and more. BLE (Bluetooth Low Energy) significantly reduces power consumption.§



Refined Security

The latest Wi-Fi security protocol, WPA3, brings new capabilities to improve cybersecurity. More secure encryption in Wi-Fi password safety and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi.**



Specifications

WLAN Features

- Wireless Standards: IEEE 802.11a/b/g/n/ac/ax/be
- Signal Rate:

  6 GHz:

  11be: Up to 5760 Mbps(dynamic)

  11ax: Up t0 2402Mbps(dynamic)

  5 GHz:

  11be: Up to 2880 Mbps(dynamic)

  11ax: Up to 2402 Mbps(dynamic)

  11ac: Up to 1732 Mbps(dynamic)

  11n: Up to 300 Mbps(dynamic)

  11a: Up to 54 Mbps(dynamic)

  2.4 GHz:

  11be: Up to 688 Mbps(dynamic)

  11ax: Up to 574 Mbps(dynamic)

  11n: Up to 300 Mbps(dynamic)

  11g: Up to 54 Mbps(dynamic)

  11b: Up to 11 Mbps(dynamic)
- Reception Sensitivity:

  6 GHz:

  11ax HE20 MCS0: -94 dBm

  11be EHT320 MCS13: -44dBm

  5 GHz:

  11ac VHT20 MCS0: -94 dBm

  11be EHT160 MCS13: -48dBm

  2.4 GHz:

  11n HT20 MSC0: -95 dBm

  11be EHT40 MSC13: -56dBm
- Transmit Power:

  2.4 GHz: 24dBm(FCC) (EIRP)/ 20dBm(CE) (EIRP)

  5 GHz: 24dBm(FCC) (EIRP) /20dBm(CE) (EIRP)

  6 GHz: 20dBm(FCC) (EIRP) /20dBm(CE) (EIRP)
- Wireless Modes: Infrastructure mode
- Wireless Security: WPA/WPA2/WPA3, WPA-PSK/WPA2-PSK*

Specifications

Hardware

- Antennas: 2× High-Performance Tri-Band Antennas
- Dimensions (without the antenna base): 3.7x4.8x0.8 in (95.2*120.8*21.5 mm)

Others

- Package Contents

  Archer TBE550E

  Magnetized Antenna Base with 1m Braided RF Cable

  2× High-Performance Antennas

  Low-Profile Bracket

  Bluetooth Header Cable

  Quick Installation Guide

  Resource USB Drive
- Certification

  FCC/CE/IC/NCC/JRF/VCCI/BSMI
- System Requirements

  Supported operating systems: Windows 11(64-bit) only[§]
- Environment

  Operating Temperature: 0°C~40°C (32°F ~104°F)

  Storage Temperature: -40°C~70°C (-40°F~158°F)

  Operating Humidity: 10%~90% non-condensing

  Storage Humidity: 5%~90% non-condensing

Windows Compatible

For more information, please visit

https://www.tp-link.com/products/details/?model=Archer+TBE550E_V1

or scan the QR code left

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[†]Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of network conditions, AP limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and AP location.

[‡]Use of Wi-Fi 7 (802.11be), Wi-Fi 6E (802.11ax), Wi-Fi 6 (802.11ax), and other features including 320 MHz Bandwidth, 4096-QAM, Multi-RUs, OFDMA, MU-MIMO, and BSS Color requires the AP and PC OS to also support the corresponding features.

[§]Certain features of Archer TBE550E, such as Bluetooth 5.4, may be restricted on some computing systems and platforms. Please try to update the device's driver for feature compatibility.

[^]The 320 MHz bandwidth is only available on the 6 GHz band. The 320 MHz bandwidth on the 6 GHz band and 160 MHz bandwidth on the 5 GHz band may be unavailable in some regions/countries due to regulatory restrictions. Double channel width and speed refer to 320 MHz compared to 160 MHz for Wi-Fi 6 adapters.

*Actual network speed may be limited by the rate of the product's PCI Express Interface, Ethernet WAN or LAN port, the rate supported by the network cable, internet service provider factors, operating system factors, and other environmental conditions.

**Use of WPA3 requires APs to also support the corresponding feature.