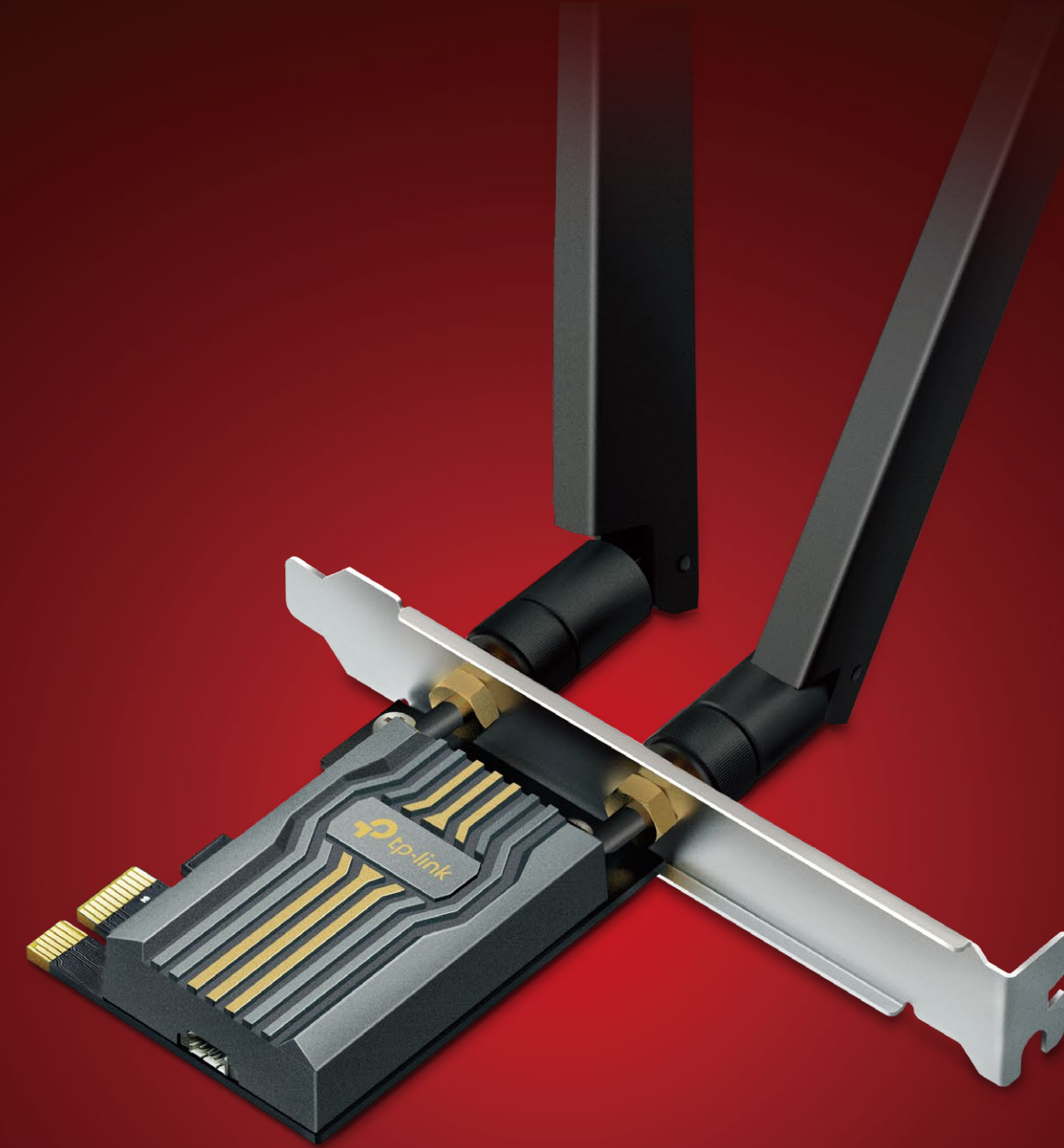# Wi-Fi 7

BE6500

Wi-Fi 7 Bluetooth PCIe Adapter

Archer TBE400E ////

**Supercharge Your
Desktop with Wi-Fi 7**

Unparalleled Tri-Band Speed
2880 Mbps + 2880 Mbps + 688 Mbps†

Low-Latency Gaming
4K-QAM and MU-MIMO supported‡

Cutting-Edge Bluetooth 5.4
Bluetooth 5.4 enhances reliability and security§

Highlights

Incredibly Smooth Wi-Fi Experience

Wi-Fi 7 unlocks the full potential of the 6 GHz band, providing congestion-free channels exclusive to your desktop. Enhanced by 4K-QAM and Multi-RUs, TBE400E delivers astonishing transmission efficiency, facilitating instant multi-stream media playback and massive online games.[‡]
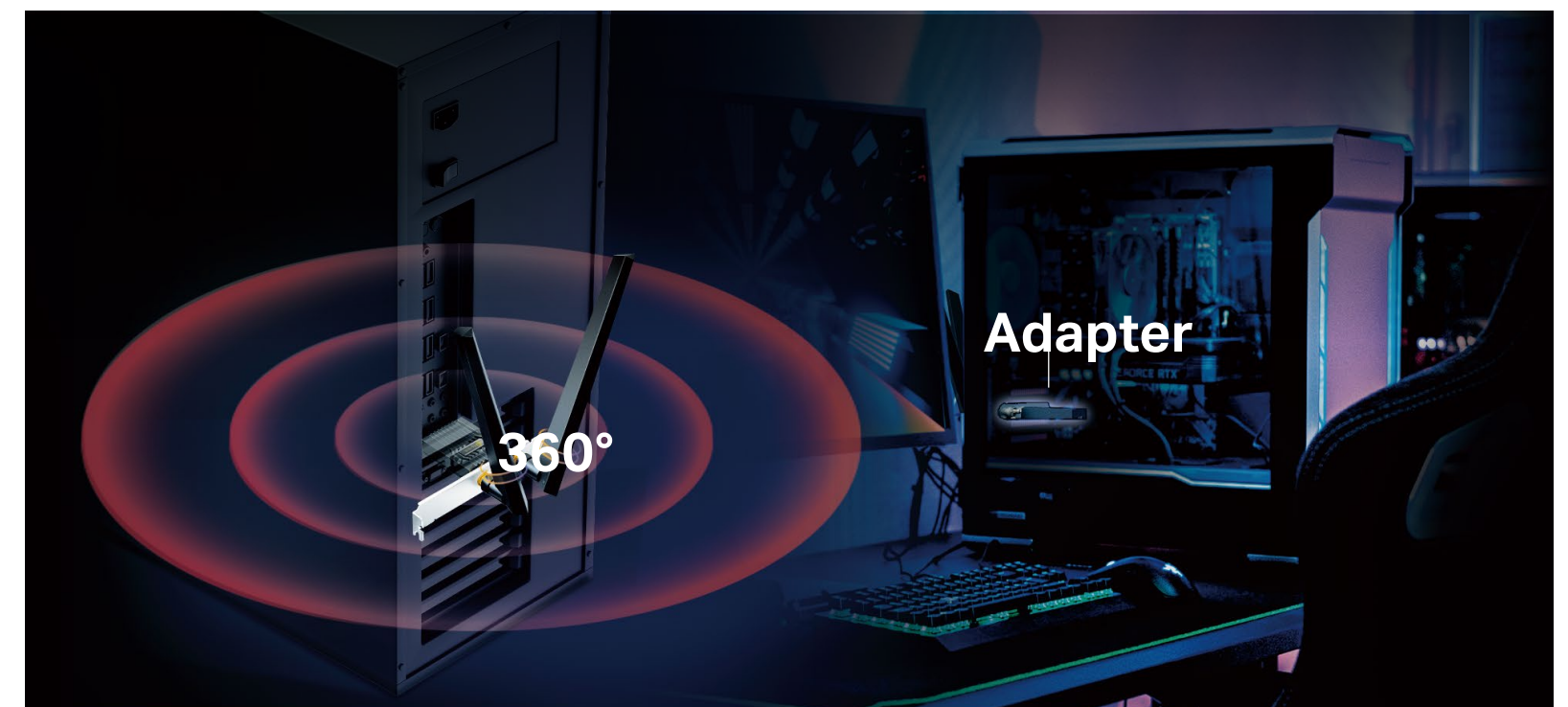
Broader Coverage

Two powerful signal-boosting, high-performance antennas ensure stronger signal transmissions and reception to greatly extend existing Wi-Fi coverage, offering a fast, smooth online experience from farther away.

6 GHZ — **2880 Mbps**

5 GHZ — **2880 Mbps**

2.4 GHZ — **688 Mbps**

Adapter
360°

Highlights

Bluetooth 5.4

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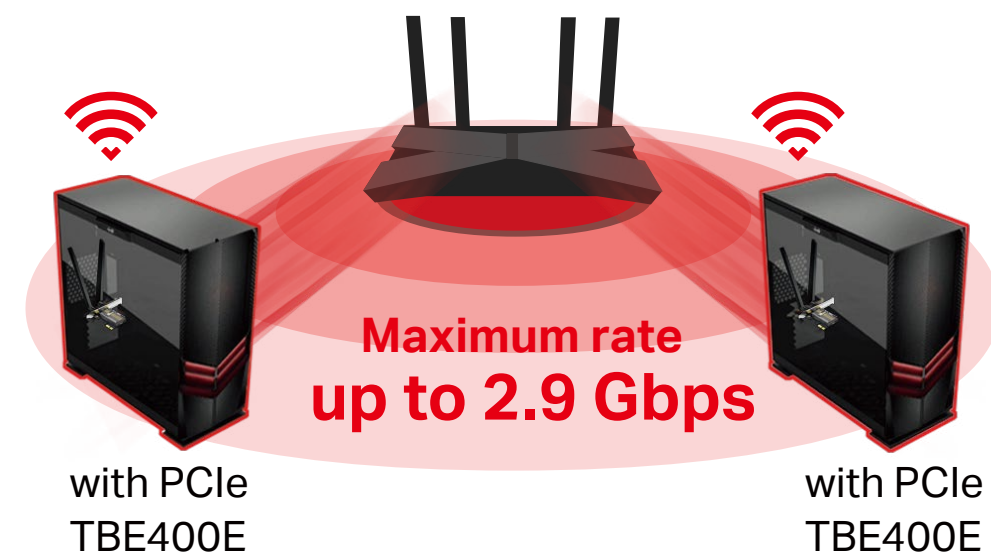
Refined Security

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.**
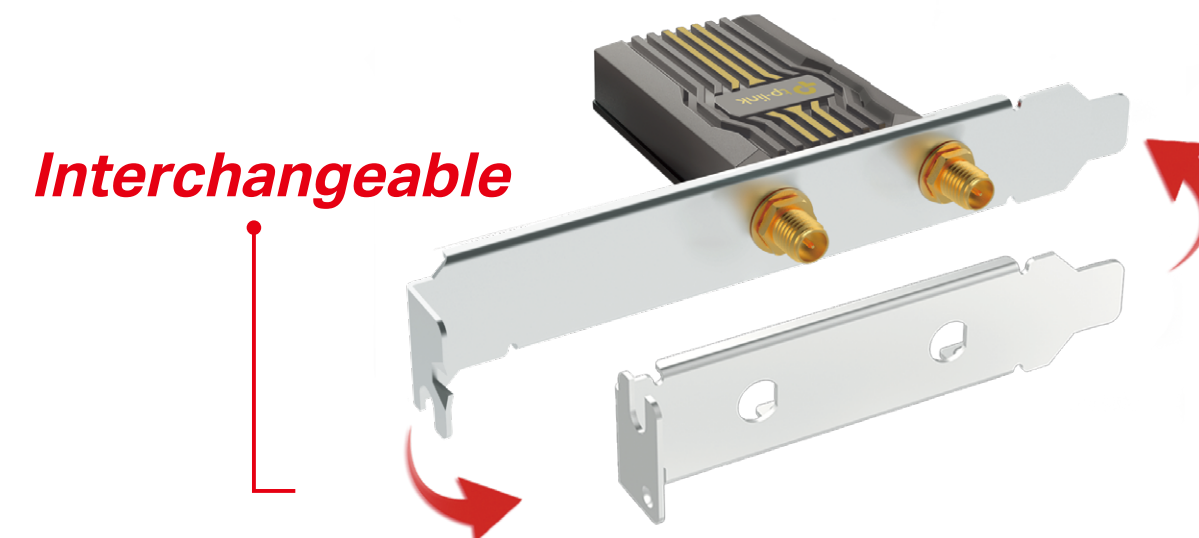
WPA3

Highlights

Superior Wi-Fi Reception

Bring your PC's Wi-Fi reception to the next level and take full advantage of your Wi-Fi 7 router. Archer TBE400E delivers faster and clearer Wi-Fi thanks to its equipped OFDMA and MU-MIMO technology.‡

**Maximum rate
up to 2.9 Gbps**

with PCIe
TBE400E

with PCIe
TBE400E

Low-Profile Bracket

In addition to the full-height bracket, a low-profile bracket is also provided for mini tower computer cases. These customized options give you the flexibility to find a bracket that fits your board design perfectly.

Interchangeable

Specifications

WLAN Features

· Wireless Standards: IEEE 802.11a/b/g/n/ac/ax/be

· Signal Rate:

  6 GHz:

  11be: Up to 2880 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): 4.8 × 3.09 × 0.85 in (120.8 × 78.5 × 21.5 mm)

Others

- Package Contents

  Archer TBE400E

  2x High-Performance Tri-Band Antennas

  Low-Profile Bracket

  Bluetooth Header Cable

  Quick Installation Guide

  Resource CD

- 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

For more information, please visit

https://www.tp-link.com/products/details/?model=Archer+TBE400E_V1

or scan the QR code left