



## DESCRIPTION

### Arm Your PC with Wi-Fi 6 and Bluetooth 5.2

AX3000 Wi-Fi 6 Bluetooth 5.2 PCIe Adapter

#### Ultra-Fast Wi-Fi Experience

The very latest Wi-Fi standard, Wi-Fi 6, provides extreme speed, ultra-low latency, and uninterrupted connectivity so you enjoy faster downloads, smoother streaming, and more immersive gaming.

#### Keep Step Ahead

1024-QAM and a 160 MHz bandwidth deliver powerful, continuous Wi-Fi to fully unlock the potential of your Wi-Fi 6 router. Achieving speeds 3× faster than standard AC Wi-Fi drives your PC to peak performance so your setup keeps pace with your jaw-dropping skills.

#### Immediate Response

Revolutionary OFDMA reduces lag by up to 75%. Enjoy ultra-responsive real-time gaming or immersive VR experiences.

#### High-Gain Antennas for Broader Coverage

Two powerful signal-boosting high-gain antennas greatly extend existing Wi-Fi coverage, offering a fast, smooth online experience from farther away.

#### Bluetooth 5.2 Compatible

The latest Bluetooth 5.2 Technology, achieves speeds 2× faster and coverage 4× broader than Bluetooth 4.2, to perfectly coordinate with your game controllers, headphones, keyboards, and other Bluetooth devices.

#### Cutting-Edge Security

WPA3, the latest network security standard, provides more secure and individualized encryption in personal password safety, protects your network from wireless hacking, and ensures your wireless connection is completely secure while surfing the web and shopping online.

#### More Devices, Less Congestion

OFDMA creates separate channel segments for devices to communicate while MU-MIMO allows multiple clients to simultaneously receive data. Combining these technologies guarantees your PC gets strong, efficient, and lag-free wireless connectivity at the same

time all of your other devices are communicating.

### Ingenious Manufacturing for Perfect Performance

Built with a specialized heatsink crafted to improve stability and reliability even in hot environments. Careful attention to every detail, such as gold plating on every contactor to resist oxidation, delivers a superior network experience.

## TECHNICAL CHARACTERISTICS

Brand : TP-LINK

Part number : ARCHER TX55E

#### Connectivité :

Interface : WLAN / Bluetooth

#### Réseau :

Modulation : 16-QAM, 64-QAM, 256-QAM, 1024-QAM, CCK, DQPSK, OFDM

Bluetooth : Y

#### Design :

Certification : CE, FCC, RoHS

Antenna design : External

Bluetooth version : 5.2

Compatible operating systems : Windows 10 (64-bit) only

Connectivity technology : Wireless

Depth : 36 mm

Frequency range : 2.4 - 5 GHz

Height : 11.5 mm

Host interface : PCI Express

Internal : N

Maximum data transfer rate : 2402 Mbit/s

Networking standards : IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11g, IEEE 802.11n

Operating relative humidity (H-H) : 10 - 90%

Operating temperature (T-T) : 0 - 40 °C

Product colour : Black

Quick installation guide : Y

Resource CD : Y

Security algorithms : 64-bit WEP, 128-bit WEP, 802.1x RADIUS, WPA, WPA-PSK, WPA2, WPA2-PSK, WPA3

Storage relative humidity (H-H) : 5 - 90%

Storage temperature (T-T) : -40 - 70 °C

Sustainability certificates : RoHS

Top Wi-Fi standard : Wi-Fi 6 (802.11ax)

Width : 55 mm

Wi-Fi : Y

Wi-Fi band : Dual-band (2.4 GHz / 5 GHz)

Wi-Fi standards : 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)

Windows operating systems supported : Windows 10 x64

WLAN data transfer rates supported : 11,54,300,574,1733,2402 Mbit/s