



AX3000 Wireless Dual Band & Bluetooth® 5.2 (Class 2) PCIe Adapter

TEW-907ECH (v1.0R)

- Easy setup
- AX3000: 2401Mbps Wireless AX or 600Mbps Wireless N bands
- Bluetooth® 5.2 class 2 radio
- Supports Windows 10
- Supports up to WPA3 WiFi encryption
- Concurrent Bluetooth and WiFi connectivity
- Includes standard and low-profile brackets

TRENDnet's AX3000 Wireless Dual Band & Bluetooth 5.2 (Class 2) PCIe Adapter, model TEW-907ECH, simultaneously provides Bluetooth and WiFi connections, allowing you to concurrently connect to a WiFi network and Bluetooth devices. Conveniently download music, videos, and pictures from a wireless internet connection, and then transfer those same files seamlessly to your Bluetooth-enabled phone or device. This WiFi Bluetooth PCIe card instantly upgrades a standard or low-profile Windows® computer to Wireless AX3000 & Bluetooth 5.2 (Class 2). Quickly connect to a high-performance Wireless AX network at 2401Mbps or to a Wireless N network at 600Mbps. For extended range, use our magnetic antenna base, TEW-LB101 (sold separately), with the WiFi Bluetooth PCIe card to relocate antennas for optimal signal coverage.



WiFi 6 + Bluetooth

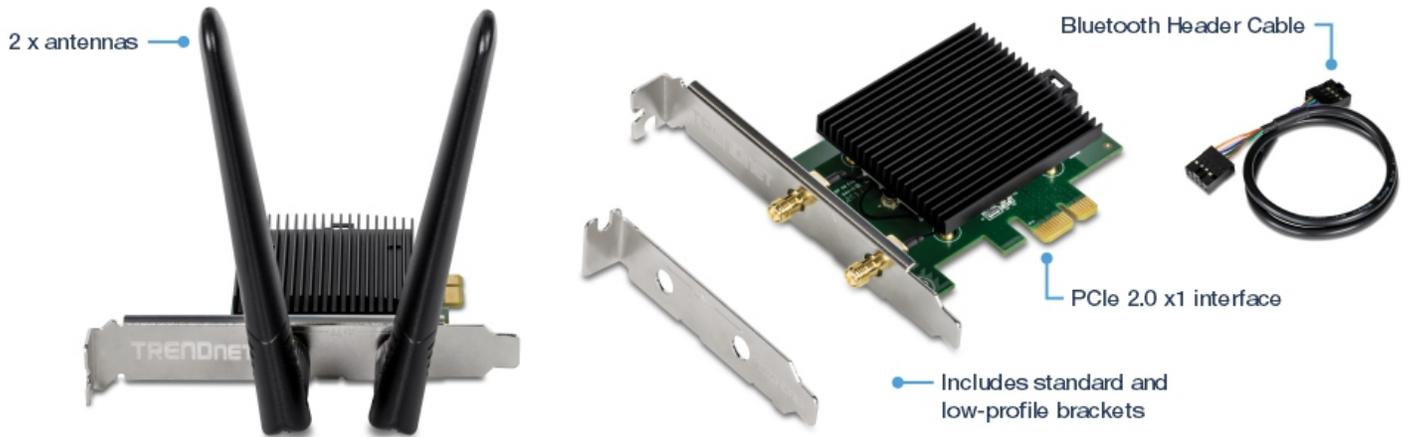
Provides both WiFi AX and Bluetooth 5.2 connections, allowing you to concurrently connect to a WiFi network and Bluetooth devices.

Bluetooth 5.2

Transfer files from your computer to and from your Bluetooth-enabled phone, while simultaneously using your Bluetooth headset.

AX3000 Dual Band

Connect to an extreme performance 2401Mbps Wireless AX or 600Mbps Wireless N network*.



FEATURES

1 **Easy Setup**
2 3 Get the WiFi Bluetooth PCIe card up and running in just minutes with the intuitive guided setup

AX3000 **AX3000 Dual Band**
 As a WiFi 6 PCIe card, easily connect to an extreme performance 2401Mbps Wireless AX or 600Mbps Wireless N network*

Wireless Coverage
 Extended wireless coverage with high-gain 5 dBi detachable antennas

Wireless Encryption
 Supports the latest WPA3 WiFi encryption

Stereo Audio
 Experience stereo audio with Advanced Audio Distribution Profile (A2DP) support

Energy Efficient
 Bluetooth Low Energy (BLE) protocol support

Bluetooth Device Compatibility
 Backward compatible with legacy Bluetooth® devices

Bluetooth 5.2
 As a Bluetooth 5.2 PCIe card, transfer files from your computer to and from your Bluetooth-enabled device, while simultaneously using your Bluetooth headset

PC Brackets
 Includes standard and low-profile brackets

OS **Operating Systems**
 This WiFi Bluetooth PCIe card is compatible with Windows® operating systems

SPECIFICATIONS

Standards

- PCI Express 2.0
- Class 2 Bluetooth® 5.2
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11e
- IEEE 802.11g
- IEEE 802.11h
- IEEE 802.11i
- IEEE 802.11k
- IEEE 802.11n (up to 600Mbps)
- IEEE 802.11r
- IEEE 802.11v
- IEEE 802.11ac (up to 1733Mbps)
- IEEE 802.11ax (up to 2401Mbps)

Hardware Interface

- PCIe 2.0 x1 interface
- 2 x antennas

Encryption

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-Radius, WPA3

Frequency

- 2.4GHz: 2.412 – 2.462GHz
- 5GHz: 5.150 – 5250 GHz

Modulation

- DBPSK/DQPSK/CCK for DSSS technique
- BPSK/QPSK/16-QAM/64-QAM/256-QAM/1024-QAM for OFDM technique
- OFDMA

Antenna Gain

- 2.4GHz: 2 x 3.24 dBi (max.)
- 5GHz: 2 x 4.97dBi (max.)

Wireless Output Power

- 802.11a: 16 dBm (max)
- 802.11b: 16.5 dBm (max)
- 802.11g: 16.5 dBm (max)
- 802.11n: 18 dBm (max)
- 802.11ac: 14 dBm (max)
- 802.11ax: 14.75 dBm (max)

Receiving Sensitivity

- 802.11a: -77 dBm (typical) @ 54Mbps
- 802.11b: -89 dBm (typical) @ 11Mbps
- 802.11g: -76 dBm (typical) @ 54Mbps
- 802.11n: -73 dBm (typical) @ 600Mbps
- 802.11ac: -61 dBm (typical) @ 1733Mbps
- 802.11ax: -63 dBm (typical) @ 2401Mbps

Wireless Channels

- 2.4GHz: FCC: 1 – 11
- 5GHz: FCC: 36, 40, 44, 48, 149, 157, 161, 165;

Compatibility

- Windows® 10 (64-bit) only

Special Features

- Bluetooth 5.2 Class 2
- Compatible with TEW-LB101

Power

- Max. consumption: 6.1W

Operating Temperature

- 0° – 40° C (32° – 103° F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- FCC

Dimensions

- 87 x 55 x 17mm (3.43 x 2.17 x 0.7 in.)

Weight

- 88g (3.1 oz.)

Warranty

- 3 years

Package Contents

- TEW-907ECH
- 2 x External Antennas
- Bluetooth Header Cable
- Quick Installation Guide
- CD-ROM (Driver)
- Standard & low-profile brackets

* Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions. For maximum performance of up to 2401Mbps, connect to an 2401Mbps 802.11ax wireless router or access point.

** The network card will only work on a PCIe x1 slot. PCIe x16 and PCIe x4 slots are not supported.

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.