TRENDnet®

TEW-907ECH (V1.0R)
SETUP INFO

UPC #	710931131093
Master Carton UPC #	10710931131090
Product Page	https://www.trendnet.com/products/wifi-bluetooth-pcie-card/ax3000-wireless-dual-dand-bluetooth-5.2-pcie-adapter-TEW-907ECH
Additional Images	https://www.trendnet.com/support/support-detail.asp?prod=120_TEW-907ECH
Alternate Product Name	TRENDnet AX3000 Wireless Dual Band & Bluetooth 5.2 Class 2 PCIe Adapter, 2401 Mbps Wireless AX, 600 Mbps Wireless N Bands, Support Windows 10, Supports Up To WPA3 WiFi Connectivity, Black, TEW-907ECH
Key Search Words	PCIe wireless AX adapter, WiFi 6, Bluetooth 5.2, WiFi/Bluetooth Combo adapter, Windows WiFi Adatper, Detechable Antennas, Dual-Band, Low profile bracket included, Bluetooth adapter, Wireless adapter, Wireless adapter, WEP/WPA/WPA2, WPA3, Bluetooth 5.2 Class 2, WIFI N, WiFi AC, WiFi AX, AX3000, 802.11ax, 802.11n, WiFi adapter, Bluetooth adapter, 2.4GHz, 5GGHz, Bluetooth 4.0, Wireless n
Package Dimensions	17.0 x 15.0 x 4.5 cm (7 x 6 x 2 in.)
Package Weight	0.41 kg (0.94 lbs.)
Unit Qty per Case	20
Case Dimension	31 x 25 x 29 cm (13 x 10 x 12 in.)
Case Weight	7.38 kg (17 lbs.)
Harmonized Tarriff Code	8517620090
ECCN	5A992
Country of Origin	Taiwan
Product Availability Date	December 2021
Warranty	3 year
MSRP	$64.99

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Updated: 11/29/2021

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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.
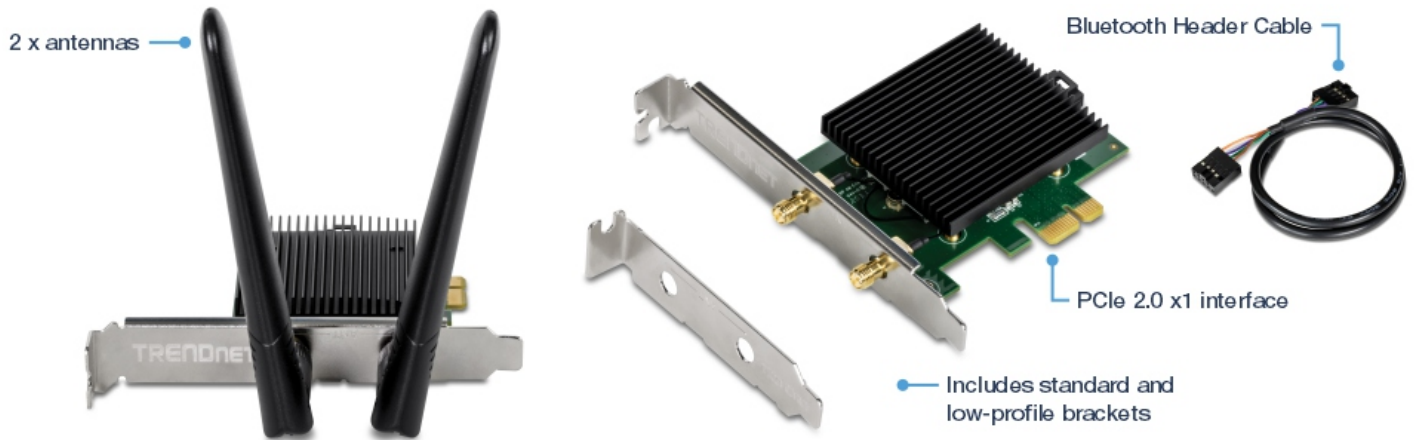
TRENDnet®

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*.

2 x antennas

Bluetooth Header Cable

PCIe 2.0 x1 interface

Includes standard and low-profile brackets

FEATURES

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

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.