



## AC1200 High Power Wireless Dual Band PCIe Adapter

TEW-807ECH (v1.0R)

- Easy setup
- AC1200: 867 Mbps Wireless AC or 300 Mbps Wireless N bands\*
- Convenient 1 m (3.3 ft.) extension cable and magnetic mounting base
- High power radio
- Heat sink for optimal heat dissipation and performance
- Includes standard and low profile brackets
- Compatible with a PCI Express (PCIe) slot
- Supports Windows operating systems

TRENDnet's AC1200 High Power Wireless Dual Band PCIe Adapter, model TEW-807ECH, upgrades a standard or low profile Windows® computer to Wireless AC1200. Quickly connect to a high performance Wireless AC network at 867 Mbps or to a Wireless N network at 300 Mbps. A high power radio with detachable 5 dBi antennas increase wireless coverage. A convenient 1 m (3.3 ft.) extension cable and a magnetic mounting base provide installation flexibility.



### Easy Setup

Get up and running in minutes with the intuitive guided setup



### AC1200 Dual Band

Connect to an extreme performance 867 Mbps Wireless AC or 300 Mbps Wireless N network\*



### Wireless Coverage

Extended wireless coverage with high power radio and detachable 5 dBi antennas



### PCI Slot

PCI Express slot (1x)



### Heat Sink

Heat sink minimizes heat loading and optimizes processing performance



### PC Brackets

Includes standard and low profile brackets



### Extension Cable

Convenient 1 m (3.3 ft.) extension cable provides installation flexibility



### Magnetic Base

Adjustable magnetic mounting base attaches to the side of a tower computer or other metal surface



### LED Indicator

LED indicator conveys device status



### Operating Systems

Compatible with Windows® operating systems

## Networking Solution

HD movies



Gaming



Music



Surfing



Web chat



E-mail



- 1 High gain detachable dual band antenna
- 2 Magnetic antenna base
- 3 1 m (3.3 ft.) extension cable
- 4 Low profile bracket
- 5 Standard bracket
- 6 PCIe interface
- 7 Heat sink

## Specifications

### Standards

- PCI Express 1.0a
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 Mbps)
- IEEE 802.11ac (up to 867 Mbps)

### Hardware Interface

- PCI Express x1 (Version 1.0a)
- LED indicator
- 2 x RP-SMA antenna connectors
- Magnetic Antenna Base with 1 m (3.3 ft) extension cable
- 2 High Gain Detachable Dual Band Antennas
- Standard and low profile tower brackets

### Encryption

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS

### Compatibility

- Windows® 10, 8.1, 8, 7, Vista, XP

### Special Features

- 2 high gain dual band detachable antennas and integrated high powered amplifiers for long range connectivity
- Magnetic Antenna Base for easy mounting and antenna positioning for optimal signal reception
- High-speed 802.11ac connectivity

### Quality of Service

- WMM
- WMM-SA

### Frequency

- 2.4GHz: (FCC) 2.412 – 2.462GHz, (ETSI) 2.412 – 2.472GHz

- 5GHz: (FCC) 5.150 – 5.250GHz/5.745 - 5.825GHz, (ETSI) 5.150 – 5.250GHz/5.260 – 5.320GHz/5.500 – 5.700GHz

### Modulation

- 802.11b: CCK, DQPSK, DBPSK
- 802.11a/g: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM
- 802.11ac: OFDM with BPSK, QPSK and 16/64/256-QAM

### Antenna Gain

- 2.4 GHz/5 GHz: 2 x 5 dBi (max.) dual band external/detachable

### Wireless Output Power

- FCC: 802.11a: 28 dBm (max.) / ETSI: 22.30 dBm (max.) @ 54 Mbps
- FCC: 802.11b: 27 dBm (max.) / ETSI: 19.80 dBm (max.) @ 11 Mbps
- FCC: 802.11g: 27 dBm (max.) / ETSI: 19.70 dBm (max.) @ 54 Mbps
- FCC: 802.11n (2.4GHz): 27 dBm (max.) / ETSI: 19.70 dBm (max.) @ 300 Mbps
- FCC: 802.11n (5GHz): 27 dBm (max.) / ETSI: 22.50 dBm (max.) @ 300 Mbps
- FCC: 802.11ac: 27 dBm (max.) / ETSI: 22.30 dBm (max.) @ 867 Mbps

### Receiving Sensitivity

- 802.11a: -90 dBm (typical) @ 54 Mbps
- 802.11b: -91 dBm (typical) @ 11 Mbps
- 802.11g: -87 dBm (typical) @ 54 Mbps
- 802.11n (2.4GHz): -85 dBm (typical) @ 300 Mbps
- 802.11n (5GHz): -90 dBm (typical) @ 300 Mbps
- 802.11ac: -58 dBm (typical) @ 867 Mbps

### Wireless Channels

- 2.4GHz: (FCC) 1-11, (ETSI) 1-13
- 5GHz: (FCC) 36, 40, 44, 48, 149, 153, 157, 161, 165, (ETSI) 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140

### Power

- Consumption: Max. 6 W

### Operating Temperature

- 00 - 55 °C (32 – 141 °F)

### Operating Humidity

- Max. 90% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 84 x 64 x 17 mm (3.3 x 2.5 x 0.7 in.)

### Weight

- 80 g (2.8 oz.)
- Antenna Base: 114 g (4 oz.)

### Warranty:

- 3 year limited

### Package Contents

- TEW-807ECH
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & Drivers)
- 2 x High Gain Detachable Dual Band Antennas
- 1 x Magnetic Antenna Base with 1 m (3.3 ft) extension cable
- 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 867Mbps, connect to an 867 Mbps 802.11ac wireless router or access point.

