TRENDNET®

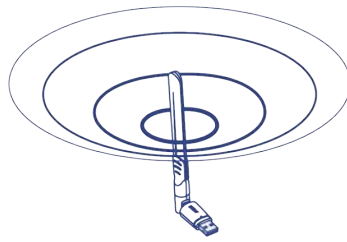# AC1200 High Gain Dual Band Wireless USB Adapter

TEW-805UBH (v1.0R)

- Quick and easy setup
- Adjustable High-Gain external antenna
- High speed WiFi AC1200 Wave 2 MU-MIMO adapter
- Selectable WiFi AC (867Mbps) or WiFi N (300Mbps) radios
- Dual band support for 2.4GHz and 5GHz WiFi networks
- Physical WPS button for ease of connectivity
- Upgrade your laptop or desktop to wireless AC
- WMM Quality of Service (QoS) data prioritization
- Supports Windows® and Mac® operating systems
- LED-Indicators

TRENDnet's AC1200 High Gain Dual Band Wireless USB Adapter, model TEW-805UBH, connects a laptop or desktop computer to a high-speed WiFi AC867 or WiFi N300 network. Seamlessly stream video, download files, and play games with this Wave 2 MU-MIMO wireless AC adapter. Wi-Fi Multimedia Quality of Service prioritizes important video, audio, and gaming traffic. This adapter features an adjustable high gain antenna which increases wireless coverage and performance.
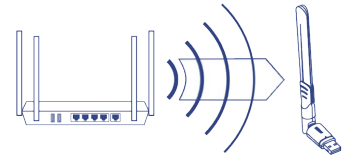
AC1200 WiFi
Connects a laptop or desktop computer to a high-speed WiFi AC867 or WiFi N300 network.
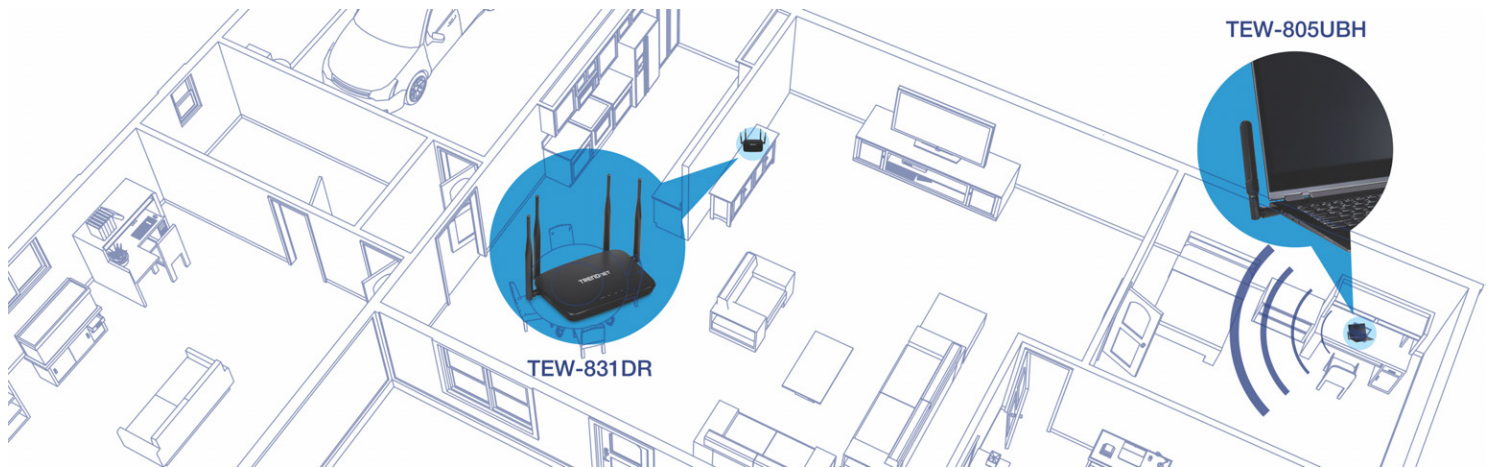
High Gain Antenna
Adjustable high gain antenna increases wireless coverage and performance.

Wave 2 MU-MIMO
Seamlessly stream video, download files, and play games with this Wave 2 MU-MIMO wireless AC adapter.

NETWORKING SOLUTION

TEW-805UBH

TEW-831DR

LED Indicator

WPS button

USB 3.1 Gen1

FEATURES

Easy Setup
Get up and running in minutes with the intuitive guided setup

AC1200 WiFi
Connects a laptop or desktop computer to a high-speed WiFi AC867 or WiFi N300 network

Wave 2 MU-MIMO
Seamlessly stream video, download files, and play games with this Wave 2 MU-MIMO wireless AC adapter.

High Gain Antenna
Adjustable high gain antenna increases wireless coverage and performance

Wireless Encryption
Supports up to WPA2 encryption

Operating Systems
Compatible with Windows® and Mac® operating systems

SPECIFICATIONS

Standards
- IEEE 802.1x
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300Mbps)*
- IEEE 802.11ac (up to 867Mbps)*

Hardware Interface
- USB 3.1 Gen 1
- LED Indicator
- WPS Button

Special Features
- High-speed 802.11ac connectivity
- Explicit Beamforming
- Supports Wave 2 MU-MIMO technology

Compatibility
- Windows® 10, 8.1, 8, 7
- Mac OS® 10.9 – 10.15
- Linux

Data Rate
- 802.11a: up to 54Mbps
- 802.11b: up to 11Mbps
- 802.11g: up to 54Mbps
- 802.11n: up to 300Mbps (2.4GHz & 5GHz)
- 802.11ac: up to 867Mbps

Encryption
- 64/128-bit WEP, WPA / WPA2-Enterprise, WPA / WPA2-PSK (AES/TKIP)

Quality of Service
- WMM

Frequency
- 2.400 – 2.4835GHz
- 5.150 – 5.825GHz

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
- 1 x dual-band Fixed Antenna, 2.4GHz: 2dBi (max) / 5GHz: 4dBi (max.)

Output Power
- 802.11a: 9.5 dBm (max.) @ 54Mbps
- 802.11b: 12.5 dBm (max.) @ 11Mbps
- 802.11g: 10.5 dBm (max.) @ 54Mbps
- 802.11n (2.4GHz): 9.5 dBm (max.) @ 300Mbps
- 802.11n (5GHz): 8.5 dBm (max.) @ 300Mbps
- 802.11ac: 6.5 dBm (max.) @ 867Mbps

Receiving Sensitivity
- 802.11a: -70 dBm (typical) @ 54Mbps
- 802.11b: -82 dBm (typical) @ 11Mbps
- 802.11g: -70 dBm (typical) @ 54Mbps
- 802.11n (2.4GHz): -67 dBm (typical) @ 300Mbps
- 802.11n (5GHz): -64 dBm (typical) @ 300Mbps
- 802.11ac: -54 dBm (typical) @ 867Mbps

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, 132, 136, 140)**

Power
- Consumption: Max. 2.26W

Operating Temperature
- 0° – 40° C (32° – 104° F)

Operating Humidity
- Max. 90% non-condensing

Dimensions (L x W x H)
- 175 x 17.5 x 17.5 mm (6.9 x 0.7 x 0.7 in.)

Weight
- 16g (0.5 oz.)

Certifications
- CE
- FCC

Warranty
- 3 year

Package Contents
- TEW-805UBH
- CD-ROM (Driver & User's Guide)
- Quick Installation Guide

*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, use with an 867Mbps 802.11ac wireless Access Point. For maximum performance of up to 300Mbps, use with a 300Mbps 802.11n wireless Access Point. Multi-User MIMO (MU-MIMO) requires the use of multiple MU-MIMO enabled wireless adapters and Access Points.

**Due to regulatory requirements, the wireless channels specified cannot be statically assigned, but will be available within the available wireless channels when set to auto.

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.