



## 108Mbps 802.11a/g Wireless USB 2.0 Adapter TEW-504UB

TRENDnet's TEW-504UB 802.11a/g USB 2.0 Wireless adapter provides wireless connectivity with 802.11a, 802.11g, or 802.11b networks and an easy-to-install, backward compatible interface to bring the best wireless solution for desktop/mobile workstations. The TEW-504UB can reach blazing speeds of 108Mbps. It also dynamically encrypts wireless transmissions with WPA-TKIP or AES.

### FEATURES

- Wi-Fi Compliant with IEEE 802.11a, 802.11g and IEEE 802.11b Standards
- Uses 5 GHz or 2.4 GHz Dual Band Design, which Complies with Worldwide Requirements
- Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode
- Supports Super AG technology Data Rate up to 108Mbps
- Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11a/g
- Dynamic Data Rate Scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- Maximum Reliability, Throughput and Connectivity with Automatic Data Rate Switching
- Compatible with Windows 98SE/ME/2000/XP (SP1/SP2)/2003 Server
- Supports 64/128/152-bit WEP, WPA (AES/TKIP) without Performance Degradation
- Low Interference and High Susceptibility Guarantee Reliable Performance
- Range of 35~100 meters indoor, 100~300 meters outdoor (depends on the environment)
- Simple User Setup & Diagnostics Utilities
- 3-Year Warranty

### BENEFITS

**Economical:**

Save Time, Labor, and Materials; Compare with Wired Network Installation

**Flexible:**

Creates wireless peer-to-peer network in Ad-Hoc mode or connects to Ethernet LAN in Infrastructure mode using Wireless Access Point or Wireless Router

**Cost Effective:**

Supports IEEE 802.11a, IEEE 802.11b and IEEE 802.11g Standards; Connects to any IEEE 802.11a and 802.11b/g wireless network

**Performance:**

108Mbps High Speed Wireless Connection

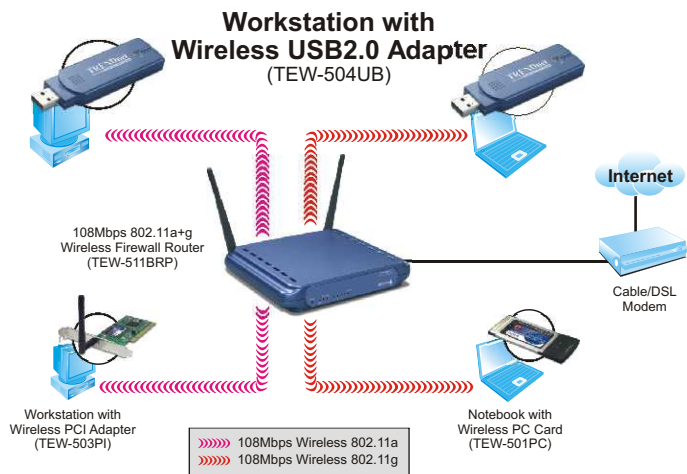
Note: Coverage and Speed performance might vary depending on the network environment.

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## SPECIFICATIONS

Hardware	
Interface	• USB 2.0, 1.1 Compliant
Standards	• IEEE 802.11a, IEEE802.11b and IEEE 802.11g
Power Consumption	• 450mA @ 5V
Supported OS	• Windows 2000/XP (SP1/SP2), 2003 Server
Dimensions (L x W)	• 95 x 22 x 10 mm (3.7 x 0.87 x 0.4 inches)
Weight	• 28 g (1 oz.)
Temperature	• Operating: 0° ~ 50° C (32° ~122° F) • Storage: -25° ~ 70° C (-13° ~ 158° F)
Humidity	• 10% ~ 90%max (Non-condensing)
Certification	• FCC, CE
Wireless	
Module Technique	• 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11a/g: OFDM with BPSK, QPSK and 16/64-QAM Sub-Carrier Modulations
Frequency	• 802.11a: UNI-Band 5.15 ~ 5.85 Ghz • 802.11 b/g: ISM 2.412 ~ 2.484Ghz
Media Access Protocol	• CSMA/CA
Data Rate	• 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11a/g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • Super AG: 108Mbps
Transmit Power	• 802.11a: 15dBm (typically) • 802.11b: 19dBm (typically) • 802.11g: 16dBm (typically)
Receiving Sensitivity	• 802.11a: 54Mbps 10 <sup>-5</sup> BER @ -71 dBm (typical) • 802.11b: 11Mbps 10 <sup>-5</sup> BER @ -84 dBm (typical) • 802.11g: 54Mbps 10 <sup>-5</sup> BER @ -71 dBm (typical)
Encryption	• 64/128/152-bit WEP, WPA, and 802.1x
Channels	• 11a: Subject to Local Regulations • 11b/g: 1~11 (US), 1~13 (EU)

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEW-504UB
- Utility & Driver CD-ROM
- Multi-Language Quick Installation Guide

## RELATED PRODUCTS

TEW-501PC	108Mbps 802.11a/g Wireless CardBus PC Card
TEW-503PI	108Mbps 802.11a/g Wireless PCI Adapter
TEW-510APB	108Mbps 802.11a/g Wireless Access Point

## ORDERING INFORMATION

### TRENDNET

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