



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

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 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



# TEW-504UB

## 108Mbps 802.11a/g Wireless USB 2.0 Adapter

### 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.a: 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 – 5 BER @ -71 dBm (typical)
- 802.11b: 11Mbps 10 – 5 BER @ -84 dBm (typical)
- 802.11g: 54Mbps 10 – 5 BER @ -71 dBm (typical)

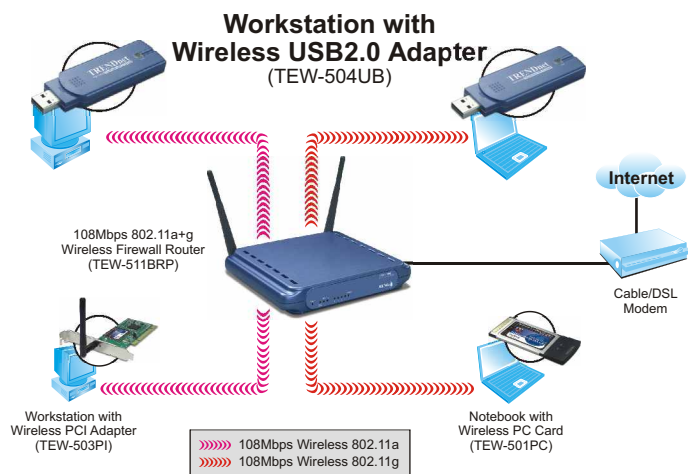
#### Encryption:

- 64/128/152-Bit WEP (Hex or ASCII), WPA (AES/TKIP)

#### Channels:

- 11b/g: 1~11 (US), 1~13 (EU)
- 11a: country dependence

### NETWORKING SOLUTIONS



**To Order Please Call:**  
**1-888-326-6061**

### RELATED PRODUCT

- ➔ **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

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