



## **TEW-444UB** **108Mbps 802.11g Wireless USB 2.0 Adapter**

TRENDnet's TEW-444UB 802.11g USB 2.0 Wireless adapter provides wireless connectivity with 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-444UB can reach blazing speeds of 108Mbps. It also dynamically encrypts wireless transmissions with WPA-TKIP or AES.



### **FEATURES**

- ... Wi-Fi Compliant with IEEE 802.11g and IEEE 802.11b Standards
- ... Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode
- ... Supports Super G technology Data Rate up to 108Mbps
- ... Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, and 9
- ... 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-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 802.11b and IEEE 802.11g Standards; Connects to any IEEE 802.11b and 802.11g wireless network
- ... **Performance:**  
108Mbps High Speed Wireless Connection

# TEW-444UB

## 108Mbps 802.11g Wireless USB 2.0 Adapter

### SPECIFICATIONS

#### Hardware

##### Interface:

- USB 2.0, 1.1 Compliant

##### Standards:

- IEEE802.11b and IEEE 802.11g

##### Power Consumption:

- 450mA @ 5V DC

##### Supported OS:

- Windows 2000/XP (SP1/SP2), 2003 Server

##### Dimensions (LxWxH):

- 95 x 22 x 10 mm (3.7 x 0.87 x 0.4 inches)

##### Weight:

- 28 g (1 oz.)

##### Temperature:

- Operating: 0° ~ 40° C (32° ~ 104° F)
- Storage: -20° ~ 70° C (-4° ~ 158° F)

##### Humidity:

- 10% ~ 90%max (Non-condensing)

#### Certification:

- FCC, CE



#### Wireless

##### Channels

- 1 ~ 11 (US), 1~13 (EU)

##### Module Technique:

- 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
- 802.11g: OFDM

##### Frequency:

- 2.412 ~ 2.484 GHz

##### Media Access Protocol:

- CSMA/CA

##### Data Rate (auto fallback):

- 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps
- 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
- SuperG: 108Mbps

#### Transmit Power:

- 802.11b: 18dBm (typically)
- 802.11g: 15dBm (typically)

#### Receiving Sensitivity:

- 802.11b: 11Mbps 10 – 5 BER @ -82 dBm (typical)
- 802.11g: 54Mbps 10 – 5 BER @ -70 dBm (typical)

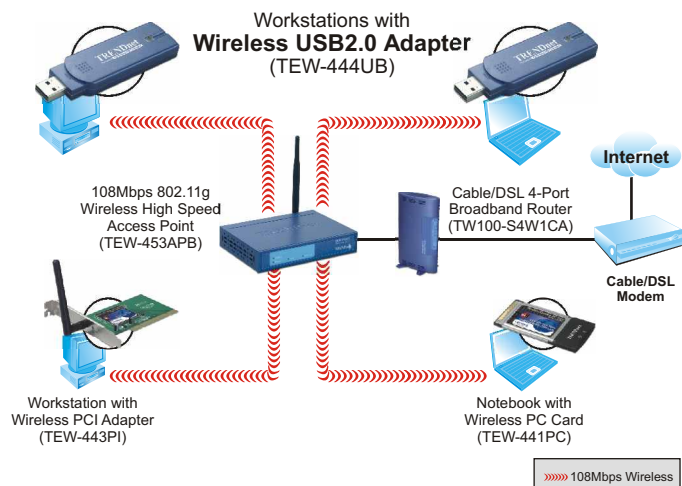
#### Encryption:

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

#### Channels:

- 1~11 (US), 1~13 (EU)

### NETWORKING SOLUTIONS



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

### RELATED PRODUCT

- > **TEW-441PC**  
108Mbps 802.11g Wireless PC Card
- > **TEW-443PI**  
108Mbps 802.11g Wireless PCI Adapter
- > **TEW-450APB**  
108Mbps 802.11g Wireless Access Point
- > **TEW-451BRP**  
108Mbps 802.11g Wireless AP Router

### ORDERING INFORMATION

**TRENDware International, Inc.**  
3135 Kashiwa Street  
Torrance, CA. 90505. USA  
Tel: 310-891-1100  
Fax: 310-891-1111  
Web: [www.TRENDNET.com](http://www.TRENDNET.com)  
Email: [sales@trendware.com](mailto:sales@trendware.com)

**TRENDnet**  
TRENDware, USA