



## **TEW-443PI** **108Mbps 802.11g Wireless PCI Adapter**

TRENDnet's TEW-443PI 108Mbps Wireless PCI Adapter cuts the wires to your desktop and provides 108Mbps speed to handle bandwidth-intensive applications. It complies with the IEEE 802.11g standard, making it backward compatible with 802.11b networks for assured compatibility. Advanced 128-bit WEP encryption is supported to provide secure access for your data. Cut the wires and move your desktop where you need it with TRENDnet's 802.11g wireless PCI Adapter.



### **FEATURES**

- Wi-Fi Compliant with IEEE 802.11g and IEEE 802.11b Standards
- Uses 2.4 GHz Frequency Band, which Complies with Worldwide Requirements
- Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode
- Supports Super GTM technology Data Rate up to 108Mbps
- Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- 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 98(SE)/ME/2000/XP (SP1/SP2)/2003 (WZC) Server
- Supports 64/128-bit WEP and WPA-PSK
- Detachable 2dBi Dipole Antenna with Reverse SMA Connector
- 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



# TEW-443PI

## 108Mbps 802.11g Wireless PCI Adapter

### SPECIFICATIONS

#### Hardware

##### Interface:

- 32-bit PCI 2.2 Bus Master

##### Standards:

- IEEE 802.11b and IEEE 802.11g

##### Antenna:

- 1 x 2dBi Detachable Dipole Antenna

##### LED Indicator:

- Link

##### Power Consumption:

- Receive Mode: 240mA
- Transmit Mode: 530 mA

##### Supported O:

- Windows 98(SE), ME, 2000, XP(SP1/SP2), 2003 Server

##### Dimensions (LxWxH):

- 133 x 121 x 21.6 mm (5.2 x 4.8 x 0.85 inches) (without metal bracket)

##### Weight:

- 63.5 g (2.2 oz.) (with antenna)

##### Temperature:

- Operating 0° ~ 40° C (32° ~ 104° F)
- Storage: -10° ~ 70° C (14° ~ 158° F)

##### Humidity:

- 10% ~ 95% max. (Non-condensing)

##### Certification:

- FCC, CE, ETS

##### Wireless

##### Module Technique:

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

##### Frequency:

- 2.412 to 2.484 GHz (Industrial Scientific Medical Band)

##### Media Access Protocol:

- CSMA/CA with ACK

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

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

##### Output Power:

- 18dBm (typically) @ 802.11b
- 14dBm (typically) @ 802.11g

##### Receiving Sensitivity:

- 54Mbps 10 – 5 BER @ -71 dBm (typical)
- 11Mbps 10 – 5 BER @ -83 dBm (typical)

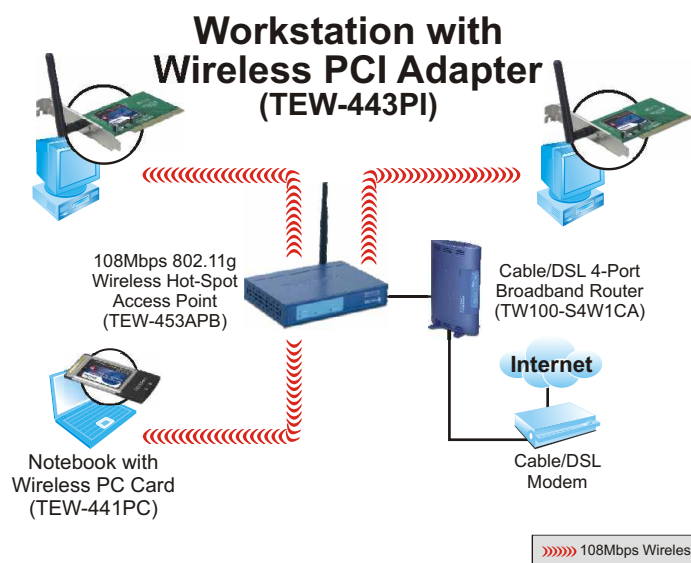
##### Security:

- WPA, WPA-PSK, 64/128-Bit WEP

##### Channels:

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

### NETWORKING SOLUTIONS



### RELATED PRODUCT

→ TEW-441PC

→ TEW-444UB

→ TEW-453APB:  
108Mbps 802.11g Hot-Spot Access Point

### ORDERING INFORMATION

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