



## **TEW-423PI** **54Mbps 802.11g Wireless PCI Adapter**

TRENDnet's TEW-423PI 54Mbps Wireless PCI Card cuts the wires to your desktop and provides 54Mbps 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 Card.



### **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
- ... 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 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

### **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:**  
54Mbps high-speed wireless connection.



# TEW-423PI

## 54Mbps 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 OS

- 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

- 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

#### Output Power

- 15dBm (typically) @ 802.11b
- 12dBm (typically) @ 802.11g

#### Receiving Sensitivity

- 54Mbps 10 – 5 BER @ -73 dBm (typical)
- 11Mbps 10 – 5 BER @ -85 dBm (typical)

#### Security

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

#### Channels

- 1~14 Channels (Universal Domain Support)

### NETWORKING SOLUTIONS

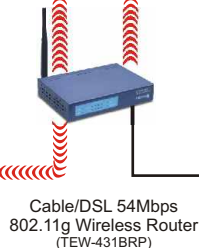
#### Workstation with Wireless PCI Adapter (TEW-423PI)



#### Workstation with Wireless PCI Adapter (TEW-423PI)



Notebook with Wireless PC Card (TEW-421PC)



Cable/DSL 54Mbps 802.11g Wireless Router (TEW-431BRP)



Cable/DSL Modem

54Mbps Wireless

### RELATED PRODUCT

- **TEW-431BRP**  
Cable/DSL 802.11g 54Mbps Wireless Router
- **TEW-421PC**  
54Mbps 802.11g Wireless PC Card
- **TEW-424UB**  
54Mbps 802.11g Wireless USB 2.0 Adapter

### ORDERING INFORMATION

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