



## 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 256-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

- ... Uses 2.4 GHz frequency band (DSSS), which complies with worldwide requirements
- ... Supports IEEE 802.11g or 802.11b (11Mbps) wireless devices
- ... Dynamic data rate shift at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- ... Dynamic data rate shift at 11, 5.5, 2 and 1Mbps for 802.11b
- ... Supports Ad-Hoc (peer-to-peer) mode and Infrastructure mode (Access Point)
- ... Compatible with Windows 98(SE)/ME/2000/XP SP1 or SP2 (with latest utility/driver)
- ... Supports 64/128/256-bit Wired Equivalent Privacy (WEP) and Passphrase (with latest utility/driver)
- ... Supports Wi-Fi Protected Access Feature (WPA-PSK) (with latest utility/driver)
- ... Low interference and High susceptibility guarantee reliable performance
- ... 2dBi Detachable antenna with female Reverse SMA connector
- ... Distance Coverage 35~100 meters indoor, 100~300 meters outdoor (depending 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

**Interface Type:**

- 32-bit PCI 2.1, 2.2 Bus Master

**Standards:**

- IEEE 802.11b and IEEE 802.11g

**Antenna:**

- 2dBi Detachable Antenna (Female Reverse SMA Connector)

**Data Rate (auto fallback):**

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

**Module Technique:**

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

**Media Access Protocol:**

- CSMA/CA with ACK

**Frequency:**

- 2.4 to 2.497 GHz (Industrial Scientific Medical Band)

**LED Indicator:**

- Link

**Antenna:**

- 1 x 2dBi Detachable Dipole Antenna with Female Reverse SMA Connector

**Output Power:**

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

**Receiving Sensitivity:**

- 54Mbps 10 – 5 BER @ -73 dBm (typical)
- 22Mbps 10 – 5 BER @ -85 dBm (typical)
- 11Mbps 10 – 5 BER @ -86 dBm (typical)

**Encryption:**

- 64/128-bit

**Support OS:**

- Windows 98(SE), ME, 2000, XP

**Channels:**

- 1~11 channels (FCC), 1~13 channels (ETSI), 1~14 channels (MKK-Japan), 10~13 channels (France), 3~9 channels (Israel)

**Power Consumption:**

- Receive Mode: 480mA

**Transmit Mode:**

- 650 mA

**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: -20° ~ 70° C (-4° ~ 158° F)

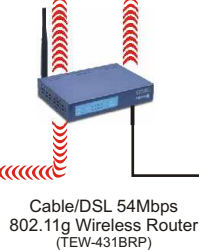
**Humidity:**

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

### 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-423PI: 802.11g 54Mbps Wireless PCI Adapter
- TEW-421PC: 54Mbps 802.11g Wireless PC Card
- TEW-403PI: 54Mbps 802.11g Wireless PCI Adapter
- TEW-IA040: 4dBi Omni Indoor Antenna
- TEW-IA06D: 6dBi Directional Indoor Antenna
- TEW-OA080K: 8dBi Omni Direction Outdoor Antenna
- TEW-OA14DK: 14dBi Directional Outdoor Antenna
- TEW-OA24D: 24dBi Directional Parabolic Outdoor Antenna

### ORDERING INFORMATION

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