



## 54Mbps 802.11g Wireless PCI Adapter TEW-423PI (b1)

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)
- 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.

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TEW-423PI (b1)

## 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)
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
Output Power	• 15dBm (typically) @ 802.11b • 12dBm (typically) @ 802.11g
Receiving Sensitivity	• 54Mbps 10 <sup>-5</sup> BER @ -73 dBm (typical) • 11Mbps 10 <sup>-5</sup> BER @ -85 dBm (typical)
Security	• WPA-PSK, 64/128-Bit WEP & WEP Passphrase
Channels	• 1~14 Channels (Universal Domain Support)

## NETWORKING SOLUTIONS

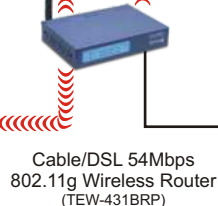
### Workstation with Wireless PCI Adapter (TEW-423PI)



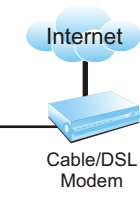
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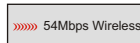
Notebook with Wireless PC Card (TEW-421PC)



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



Cable/DSL Modem



## PACKAGE CONTENTS

- TEW-423PI
- Utility & Driver CD-ROM
- Multi-Language Quick Installation Guide

## RELATED PRODUCTS

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

## ORDERING INFORMATION

### TRENDnet

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To Order Please Call:

**1-888-326-6061**

