TRENDNET®

54Mbps 802.11g Wireless PCI Adapter
TEW-423PI (C1.0R)

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/ME/2000/XP/Vista (32/64bit)

• Supports 64/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-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
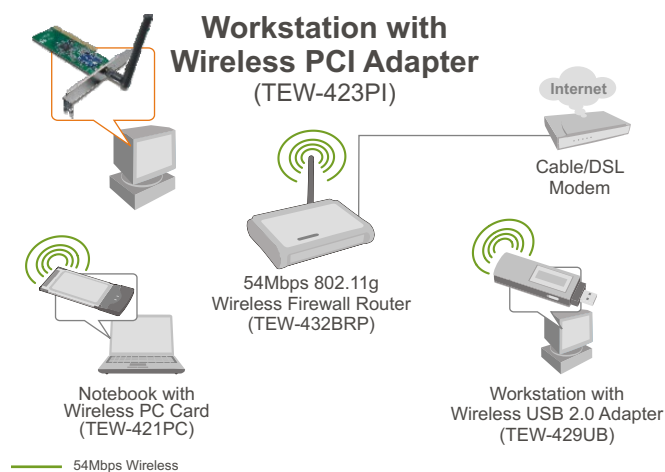
• 3-Year Warranty

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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: 370mA • Transmit Mode: 470 mA
Supported OS	• Windows 98, ME, 2000, XP, Vista (32/64bit)
Dimensions (LxWxH)	• 121 x 44 mm (4.8 x 1.7 inches) (without metal bracket)
Weight	• 60 g (2.1 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

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 • 13dBm (typically) @ 802.11g
Receiving Sensitivity	• 54Mbps 10% PER @ -72 dBm (typical) • 11Mbps 8% PER @ -85 dBm (typical)
Security	• WPA/WPA2(TKIP), WPA-PSK/WPA2-PSK(AES/TKIP), 64/128-Bit WEP (Hex or ASCII)
Channels	• 1~13 Channels (Universal Domain Support)

NETWORKING SOLUTIONS

Workstation with Wireless PCI Adapter
(TEW-423PI)

Internet

Cable/DSL Modem

54Mbps 802.11g Wireless Firewall Router (TEW-432BRP)

Notebook with Wireless PC Card (TEW-421PC)

Workstation with Wireless USB 2.0 Adapter (TEW-429UB)

— 54Mbps Wireless

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-432BRP	54Mbps 802.11g Wireless Firewall Router

ORDERING INFORMATION

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