



## 54Mbps 802.11g Wireless PC Card TEW-421PC (C1.1R)

TEW-421PC 54Mbps Wireless CardBus PC Card allows laptop users the mobile freedom to connect at home, in the office or to wireless hotspots on the road. It complies with the IEEE 802.11g standard, making it backward compatible with 802.11b networks for assured compatibility as you roam between networks. Advanced 128-bit WEP encryption is supported to provide secure access for your data. Cut the wires and move freely with TRENDnet's 802.11g wireless products.

### 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
- Integrated Microstrip Dual Diversity Antenna for the Multi-Path Environment
- 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

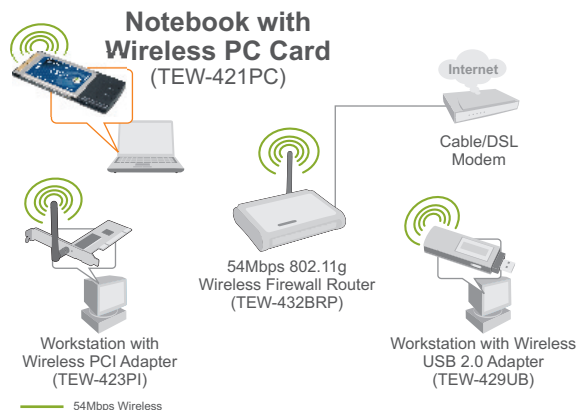
# 54Mbps 802.11g Wireless PC Card

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### SPECIFICATIONS

| Hardware                  |  |
|---------------------------|--|
| Interface                 | • 32-Bit CardBus Type II Card  |
| Standards                 | • IEEE 802.11b and IEEE 802.11g  |
| Antenna                   | • Integrated Microstrip Dual Diversity Antenna   |
| LED Indicator             | • Power, Link  |
| Power Consumption         | • Receive Mode: 370mA • Transmit Mode: 470 mA  |
| Supported OS              | • Windows 98, ME, 2000, XP, Vista (32/64bit)   |
| Dimensions (LxWxH)        | • 119 x 54 x 3 mm (4.7 x 2 x 0.1 inches)   |
| Weight                    | • 40g (1.4oz)  |
| 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<br>• 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps |
| Transmit Power            | • 15dBm (typically) @ 802.11b • 13dBm (typically) @ 802.11g  |
| Receiving Sensitivity     | • 54Mbps 10% PER @ -70 dBm (typical) • 11Mbps 8% PER @ -86 dBm (typical)   |
| Security                  | • WPA/WPA2(TKIP), WPA-PSK/WPA2-PSK(AES/TKIP), 64/128-Bit WEP (Hex or ASCII)  |
| Channels                  | • 1~11 (FCC) 1~13 (ETSI)   |

### NETWORKING SOLUTIONS



### PACKAGE CONTENTS

- TEW-421PC
- Utility & Driver CD-ROM
- Multi-Language Quick Installation Guide

### RELATED PRODUCTS

|                   |   |
|-------------------|---|
| <b>TEW-423PI</b>  | 802.11g 54Mbps Wireless PCI Adapter     |
| <b>TEW-424UB</b>  | 54Mbps 802.11g Wireless USB 2.0 Adapter |
| <b>TEW-432BRP</b> | 54Mbps 802.11g Wireless Firewall Router |

### ORDERING INFORMATION

**TRENDnet**

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To Order Please Call:

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