



## TEW-421PC 54Mbps 802.11g Wireless PC Card

TRENDnet's 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 Wi-Fi Protected Access (WPA) and up to 256-bit WEP encryption are supported to provide secure access for your data. Cut the wires and move freely with TRENDnet's 802.11g wireless products.



### 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
- 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 antenna with Integrated Microstrip Dual Diversity Antenna
- 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-421PC

## 54Mbps 802.11g Wireless PC Card

### SPECIFICATIONS

**Interface Type:**

- CardBus Type II specification 32-bit data bus

**Standards:**

- IEEE 802.11b and IEEE 802.11g

**Antenna:**

- 2dBi Integrated Microstrip Dual Diversity Antenna

**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:**

- Power, Link

**Output Power:**

- 15dBm (typically) @ 802.11b
- 12dBm (typically) @ 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):**

- 118 x 54 x 7 mm (4.65 x 2.1 x 0.2 inches)

**Weight:**

- 36 g ( 1.27 oz.)

**Temperature:**

- Operating: 0° ~ 40° C (32° ~ 104° F)
- Storage: -20° ~ 70° C (-4° ~ 158° F)

**Humidity:**

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

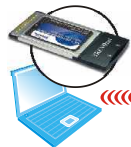
**Certification:**

- FCC, CE, ETS



### NETWORKING SOLUTIONS

Notebook with Wireless PC Card (TEW-421PC)



Notebook with Wireless PC Card (TEW-421PC)



Workstation with Wireless PCI Adapter (TEW-423PI)



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-OA08OK: 8dBi Omni Direction Outdoor Antenna
- TEW-OA14DK: 14dBi Directional Outdoor Antenna
- TEW-OA24D: 24dBi Directional Parabolic Outdoor Antenna

### ORDERING INFORMATION

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