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 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(SE)/ME/2000/XP (SP1/SP2)/2003 Serve

- Supports 64/128-bit WEP and WPA-PSK

- Integrated 2dBi 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

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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SPECIFICATIONS

Hardware
Interface
- 32-Bit CardBus Type II Card

Standards
- IEEE 802.11b and IEEE 802.11g

Antenna
- 2dBi Integrated Microstrip Dual Diversity Antenna

LED Indicator
- Power, Link

Power Consumption
- Receive Mode: 240mA
- Transmit Mode: 530 mA

Supported OS
- Windows 98(SE), ME, 2000, XP(SP1/SP2)/2003 Server

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

Weight
- 36g (1.27oz)

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

Transmit Power
- 15dBm (typically) @ 802.11b
- 12dBm (typically) @ 802.11g

Receiving Sensitivity
- 54Mbps 10 – 5 BER @ -73 dBm (typical)
- 11Mbps 10 – 5 BER @ -85 dBm (typical)

Security
- WPA-PSK, 64/128-Bit WEP (Hex or ASCII), WEP-Passphrase Channels 1~14

Channels
- (Universal Domain Support)
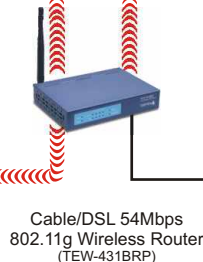
NETWORKING SOLUTIONS

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

Internet

54Mbps Wireless

RELATED PRODUCT

TTEW-431BRP
Cable/DSL 802.11g 54Mbps Wireless Router

TEW-423PI
54Mbps 802.11g Wireless PCI Adapter

TEW-424UB
54Mbps 802.11g Wireless USB 2.0 Adapter

ORDERING INFORMATION

TRENDware International, Inc.
3135 Kashiwa Street
Torrance, CA. 90505. USA
Tel: 310-891-1100
Fax: 310-891-1111
Web: www.TRENDNET.com
Email: sales@trendware.com

To Order Please Call:
1-888-326-6061

TRENDnet
TRENDware, USA