WIRELESS

TEW-423PI
54Mbps 802.11g Wireless PCI Adapter

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 Wi-Fi Protected Access (WPA) and up to 128-bit WEP encryption are 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

- 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-bit Wired Equivalent Privacy (WEP) and Passphrase
- Supports Wireless Fidelity Protected Access (WPA)
- Low interference and High susceptibility guarantee reliable performance
- 2dBi Detachable antenna with female Reverse SMA connector
- 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.

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SPECIFICATIONS

Interface Type:
• 32-bit PCI 2.1, 2.2 Bus Master

Standards:
• IEEE 802.11b and IEEE 802.11g

Antenna:
• 2dBi Detachable Antenna (Female Reverse SMA Connector)

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:
• Link

Antenna:
• 1 x 2dBi Detachable Dipole Antenna with Female Reverse SMA Connector

Output Power:
• 15dBm (typical) @ 802.11b
• 12dBm (typical) @ 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):
• 133 x 121 x 21.6 mm (5.2 x 4.8 x 0.85 inches)(without metal bracket)
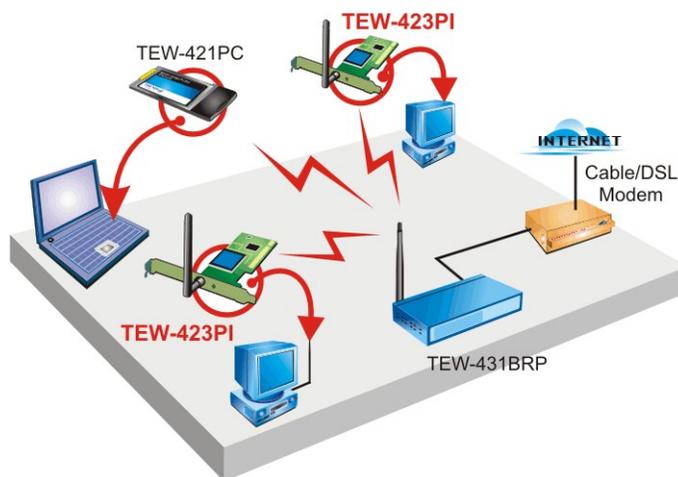
Weight:
• 63.5 g (2.2 oz.) (with antenna)

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

Humidity:
• 10% ~ 95% max. (Non-condensing)

NETWORKING SOLUTIONS

PRODUCT INFORMATION

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-IA04O: 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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