TRENDnet
TRENDware, USA
What's Next in Networking

TEW-401PC+
125Mbps 802.11g Wireless PC Card

TRENDnet's TEW-401PCplus High Speed Wireless G PC Card enables your laptop PC to connect wirelessly to IEEE 802.11g and b networks at speeds of up to 125Mbps. Ultra-secure WEP and WPA-compliant encryption ensure your network is protected, so you can share files, Internet connections, and other resources with the peace of mind you deserve.

FEATURES

- Uses 2.4 GHz frequency band, which complies with worldwide requirements
- 32-Bit PCMCIA CardBus Type II interface; supports Hot Swap and Plug & Play
- Up to 125Mbps High Speed Wireless Connection (Afterburner Technology)
- Wi-Fi Compliant with IEEE 802.11g and 802.11b Wireless Devices
- Dynamically shifts network speed (based on signal strength)
- Build in diversity antenna with LEDs indicating link status
- Supports Ad-Hoc (peer-to-peer) mode and Infrastructure mode (Access Point)
- Compatible with Windows 98SE/ME/2000/XP
- 64/128-bit Wired Equivalent Privacy (WEP) with ASCII, HEX, or Passphrase Key
- Stores multiple Wireless Network Profiles
- Low interference and high susceptibility guarantee reliable performance
- Low power consumption and easy configurations
- Enables high data rate multi-media applications such as video streaming transmission
- Range for 802.11b: up to 35~60 meters indoor and 180 meters outdoor (depends on the environment)
- Range for 802.11g: up to 20 meters indoor and 50 meters outdoor (depends on the environment)
- 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 draft standards; connects to any IEEE 802.11b and 802.11g wireless network.

- **Performance:** Up to 125Mbps High-speed wireless connection.

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SPECIFICATIONS

Hardware

Adapter Type:
- 32-bit CardBus PCMCIA Type II (fits PCMCIA Type II or Type III slot)

Standards:
- IEEE 802.11g and IEEE 802.11b

Driver Support:
- Windows 98SE/ME/2000/XP

Antenna:
- Built-in Diversity Patch Antenna

LED Indicator:
- Power, Link Activity

Dimensions (L x W) :
- 118 x 54 mm(4.65 x 2.1 inches)

Weight:
- 40g. (1.4 oz.)

Temperature:
- Operating: 0° ~ 50° C (32° ~ 122° F)
- Storage : -20° ~ 65° C (-4° ~ 149° F)

Humidity:
- Max. 95% (Non-Condensing)

Certification:
- FCC class B, CE

ISO9001

Wireless

Frequency:
- 2.4 to 2.4385GHz (Industrial Scientific Medical Band)

Module Technique:
- 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
- 802.11g: OFDM

Media Access Protocol:
- CSMA/CA with ACK

Transmit Power:
- 15dBm (max.)

Data Rate:
- 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps
- 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
- High Speed-G: 125Mbps (Afterburner technology, Enhanced Throughput by up to 40%)

Receiving Sensitivity:
- 11Mbps 10 – 5 BER @ -80 dBm (typical)
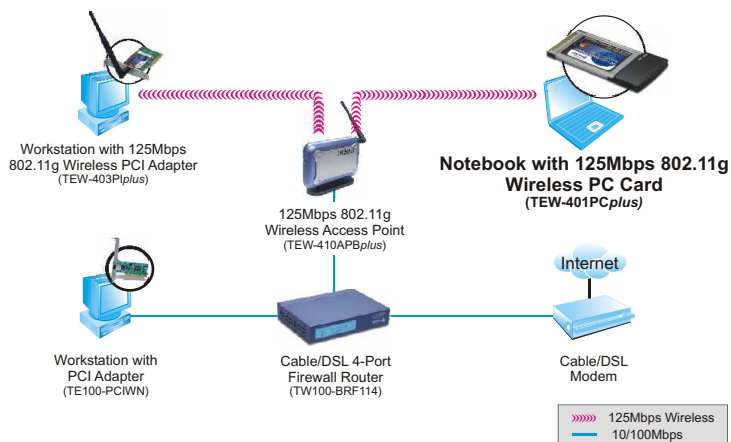- 54Mbps 10 – 5 BER @ -65 dBm (typical)

Power Consumption:
- Operating: (TX: 550mA, RX: 350mA) @ 3.3VDC
- Idle: 225mA @ 3.3VDC ; Radio Disabled: <10mA @ 3.3VDC

Channel:
- 1~13 Channels

NETWORKING SOLUTIONS

Workstation with 125Mbps 802.11g Wireless PCI Adapter (TEW-403PI*plus*)

125Mbps 802.11g Wireless Access Point (TEW-410APB*plus*)

Notebook with 125Mbps 802.11g Wireless PC Card
(**TEW-401PC***plus*)

Workstation with PCI Adapter (TE100-PCIWN)

Cable/DSL 4-Port Firewall Router (TW100-BRF114)

Internet

Cable/DSL Modem

125Mbps Wireless
10/100Mbps

RELATED PRODUCT

- **TEW-401PCplus:** 125Mbps 802.11g Wireless PC Card
- **TEW-403PIplus:** 125Mbps 802.11g Wireless PCI Network Adapter
- **TEW-410APBplus:** 125Mbps 802.11g Wireless Access Point + Bridge + Repeater
- **TEW-411BRPplus:** 125Mbps 802.11g Wireless Broadband Router
- **TEW-PS1U:** 11Mbps Wireless USB port Multi-Protocol Print Server

ORDERING INFORMATION

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