



# PEATSA.

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## 108Mbps 802.11g Wireless PC Card

TEW-441PC



TRENDnet's TEW-441PC 108Mbps 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.



*\*Note: Coverage and Speed performance might vary depending on the network environment.*

### 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
- Supports Super G technology Data Rate up to 108Mbps
- 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 (WZC) Server
- Supports 64/128-bit WEP, WPA 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

### Specifications

#### Hardware

<b>Interface</b>	32-Bit CardBus Type II Card
<b>Standards</b>	IEEE 802.11b and IEEE 802.11g
<b>Antenna</b>	2dBi Integrated Microstrip Dual Diversity Antenna
<b>LED Indicator</b>	Power, Link
<b>Power Consumption</b>	Receive Mode: 250mA Transmit Mode: 350 mA
<b>Supported OS</b>	Windows 98(SE), ME, 2000, XP(SP1/SP2), 2003 Server
<b>Dimensions (LxWxH)</b>	118 x 54 x 7mm (4.65 x 2.1 x 0.2 inches)
<b>Weight</b>	36g (1.27oz)
<b>Temperature</b>	Operating: 0° ~ 40° C (32° ~ 104° F)



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	Storage: -10° ~ 70° C (14° ~ 158° F)
<b>Humidity</b>	10% ~ 95%max (Non-condensing)
<b>Certification</b>	FCC, CE
<b>Wireless</b>	
<b>Module Technique</b>	802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) 802.11g: OFDM
<b>Frequency</b>	2.412 to 2.484 GHz (Industrial Scientific Medical Band)
<b>Media Access Protocol</b>	CSMA/CA with ACK
<b>Data Rate (auto fallback)</b>	802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps Super G: 108Mbps
<b>Transmit Power</b>	17dBm (typically) @ 802.11b 14dBm (typically) @ 802.11g
<b>Receiving Sensitivity</b>	11Mbps 8% PER @ -95 dBm (typical) 54Mbps 10% PER @ -75 dBm (typical)
<b>Security</b>	WPA, WPA-PSK, 64/128-Bit WEP (Hex or ASCII)
<b>Channels</b>	1~11 (US), 1~13 (EU)

## Networking Solution

