



PEATSA.

Lauro Aguirre No.32-203 . Col. Agricultura. México, D.F. 11360

Tels: 5342-1586 . 5341-8757

contacto@peatsa.com

www.peatsa.com

Messenger: redes_peatsa@hotmail.com

108Mbps 802.11g Wireless PCI Adapter

TEW-443PI



TRENDnet's TEW-443PI 108Mbps Wireless PCI Adapter cuts the wires to your desktop and provides 108Mbps 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 128-bit WEP encryption is 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 Adapter.



**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 GTM 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 and WPA-PSK
- Detachable 2dBi Dipole Antenna with Reverse SMA Connector
- 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

Interface	32-bit PCI 2.2 Bus Master
Standards	IEEE 802.11b and IEEE 802.11g
Antenna	1 x 2dBi Detachable Dipole Antenna
LED Indicator	Link
Power Consumption	Receive Mode: 300mA Transmit Mode: 480 mA
Supported OS	Windows 98(SE), ME, 2000, XP(SP1/SP2), 2003 Server
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: -10° ~ 70° C (14° ~ 158° F)
Humidity	10% ~ 95% max. (Non-condensing)
Certification	FCC, CE, ETS



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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 Super G™: 108Mbps
Output Power	18dBm (typically) @ 802.11b 14dBm (typically) @ 802.11g
Receiving Sensitivity	54Mbps 10% PER @ -71 dBm (typical) 11Mbps 8% PER @ -83 dBm (typical)
Security	WPA, WPA-PSK, 64/128-Bit WEP
Channels	1 ~ 11 (US), 1~13 (EU)

Networking Solution

