



TEW-503PI **108Mbps 802.11a/g Wireless PCI Adapter**

TRENDnet's TEW-503PI 802.11a/g Wireless PCI adapter is a versatile network that connects your workstation to 802.11a, 802.11b, or 802.11g wireless networks. You can experience blazing download speeds at up to 108Mbps. The TEW-503PI also provides advanced wireless security features such as WPA with TKIP and AES encryption algorithms.



FEATURES

- ... Wi-Fi Compliant with IEEE 802.11a, 802.11g and IEEE 802.11b Standards
- ... Uses 5 GHz or 2.4 GHz Dual Band Design, which Complies with Worldwide Requirements
- ... Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode
- ... Supports Super AG technology Data Rate up to 108Mbps
- ... Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11a/g
- ... 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 98SE/ME/2000/XP (SP1/SP2)/2003 Server
- ... Supports 64/128/152-bit WEP, WPA (AES/TKIP) without Performance Degradation
- ... Supports Wireless Multimedia Enhancements Quality of Server (Qos)
- ... 1.5dBi Detachable antenna with female 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

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 802.11a, IEEE 802.11b and IEEE 802.11g Standards;
Connects to any IEEE 802.11a and 802.11b/g wireless network
- ... **Performance:**
108Mbps High Speed Wireless Connection



TEW-503PI

108Mbps 802.11a/g Wireless PCI Adapter

SPECIFICATIONS

Hardware

Interface:

- 32-bit PCI 2.1, 2.2 Bus Master

Standards:

- IEEE 802.11a, IEEE802.11b and IEEE 802.11g

Antenna:

- 1.5dBi Detachable Antenna (Reverse SMA Connector)

Power Consumption:

- 550mA @ 3.3V

Support OS:

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

Dimensions (LxWxH):

- 120 x 64.5 x 7 mm (4.72 x 2.54 x 0.28 inches) (without metal bracket)

Weight:

- 63.5 g (2.2 oz.) (with antenna)

Temperature:

- Operating: 0° ~ 50° C (32° ~ 104° F)
- Storage: -25° ~ 70° C (-4° ~ 158° F)

Humidity:

- 10% ~ 90% max. (Non-condensing)

Certification:

- FCC, CE



Wireless

Module Technique:

- 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
- 802.11a/g: OFDM with BPSK, QPSK and 16/64-QAM Sub-Carrier Modulations

Frequency:

- 802.11a: UNI-Band 5.15 ~ 5.85 Ghz
- 802.11 b/g: ISM 2.412 ~ 2.484Ghz

Media Access Protocol:

- CSMA/CA

Encryption:

- 64/128/152-Bit WEP (Hex or ASCII), WPA (AES/TKIP)

Data Rate (auto fallback):

- 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps
- 802.11a/g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
- Super AG: 108Mbps

Transmit Power:

- 802.11a: 16dBm (typically)
- 802.11b: 21dBm (typically)
- 802.11g: 18dBm (typically)

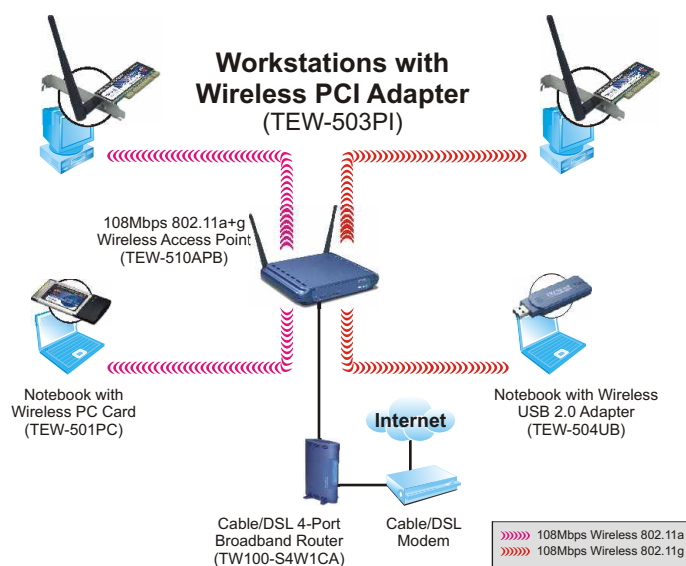
Receiving Sensitivity:

- 802.11a: 54Mbps 10 – 5 BER @ -71 dBm (typical)
- 802.11b: 11Mbps 10 – 5 BER @ -83 dBm (typical)
- 802.11g: 54Mbps 10 – 5 BER @ -73 dBm (typical)

Channels:

- 11b/g: 1~11 (US), 1~13 (EU)
- 11a: country dependence

NETWORKING SOLUTIONS



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

RELATED PRODUCT

- **TEW-501PC**
108Mbps 802.11a/g Wireless CardBus PC Card
- **TEW-504UB**
108Mbps 802.11a/g Wireless USB 2.0 Adapter
- **TEW-510APB**
108Mbps 802.11a+g Wireless Access Point

ORDERING INFORMATION

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