



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

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 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)
- Low Interference and High Susceptibility Guarantee Reliable Performance
- Range of up to 100 meters indoors, 250 meters outdoors (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

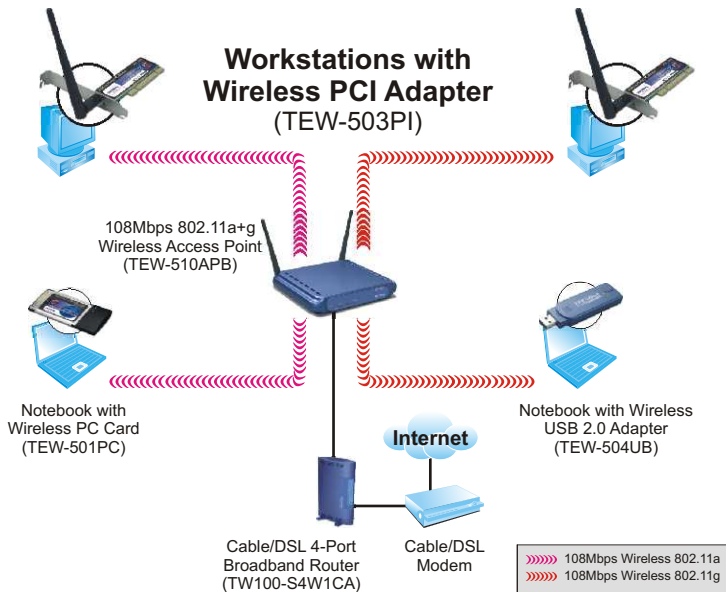
Note: Coverage and Speed performance might vary depending on the network environment.

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SPECIFICATIONS

Hardware	
Interface	• 32-Bit PCI Rev. 2.1/2.2
Standards	• IEEE 802.11a, IEEE802.11b and IEEE 802.11g
Power Consumption	• Receive Mode: 280mA(max) ; Transmit Mode: 510 mA(max)
Supported OS	• Windows 2000/XP (SP1/SP2), 2003 Server
Dimensions (LxWxH)	• 120 x 40 x 4 mm (4.72 x 1.57 x 0.16 inches) (without metal bracket)
Weight	• 63.5 g (2.2 oz.) (with antenna)
Temperature	• Operating: 0° ~ 50° C (32° ~ 122° F) • Storage: -25° ~ 70° C (-13° ~ 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
Antenna	• (1dBi 11g, 2dBi 11a) Dual Band Detachable Antenna (Female Reverse SMA Connector)
Frequency	• 802.11a: UNII-Band 5.15 ~ 5.825 GHz • 802.11b/g: ISM-Band 2.400 ~ 2.484GHz
Media Access Protocol	• CSMA/CA
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: 15dBm (typically) • 802.11b: 18dBm (typically) • 802.11g: 16dBm (typically)
Receiving Sensitivity	• 802.11a: 54Mbps 10 ⁻⁵ BER @ -68 dBm (typical) • 802.11b: 11Mbps 10 ⁻⁵ BER @ -88 ±2 dBm (typical) • 802.11g: 54Mbps 10 ⁻⁵ BER @ -68 dBm (typical)
Encryption	• 64/128-bit WEP, WPA
Channels	• 11a: Subject to Local Regulations • 11b/g: 1~11 (US), 1~13 (EU)

NETWORKING SOLUTIONS



PACKAGE CONTENTS

- TEW-503PI
- Multi-Language Quick Installation Guide
- Utility & Driver CD-ROM

RELATED PRODUCTS

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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