



108Mbps 802.11a/g Wireless CardBus PC Card TEW-501PC

TRENDnet's TEW-501PC 802.11a/g Wireless PC card is a flexible and affordable wireless solution that allows your mobile workstation to connect to three wireless networks: 802.11a, 802.11b, or 802.11g. The TEW-501PC can operate at a blazing 108Mbps. For wireless security, the TEW-501PC uses WPA-PSK with AES and TKIP encryption algorithms and WEP.

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-bit WEP, WPA (AES/TKIP)
- Supports Wireless Multimedia Enhancements Quality of Service (QoS IEEE 802.11e draft)
- 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.

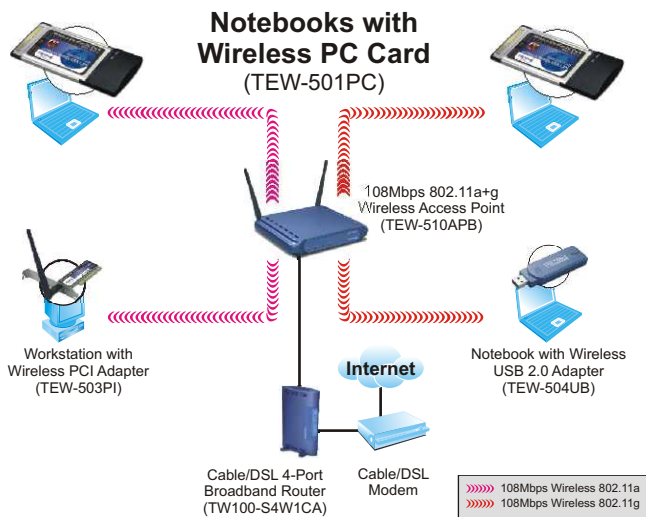
108Mbps 802.11a/g Wireless CardBus PC Card

TEW-501PC

SPECIFICATIONS

Hardware	
Interface	• 32-Bit 3.3V CardBus Type II Card
Standards	• IEEE 802.11a, IEEE 802.11b and IEEE 802.11g
LED Indicator	• Power, Link
Power Consumption	• Receive Mode: 230mA(max) ; Transmit Mode: 410 mA(max)
Supported OS	• Windows 2000/XP (SP1/SP2), 2003 Server
Dimensions (LxWxH)	• 115 x 54 x 4mm (4.5 x 2.1 x 0.16 inches)
Weight	• 40g (1.3oz)
Temperature	• Operating: 0° ~ 55° C (32° ~ 131° F) • Storage: -20° ~ 85° C (-4° ~ 185° 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	• Built-in (1.5dBi ; 11b/g: 1dBi) Dual Band Antenna
Frequency	• 802.11a: UNI-Band 5.15 ~ 5.825 Ghz • 802.11 b/g: ISM 2.400 ~ 2.4835 GHz
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: 19dBm (typically) • 802.11g: 16dBm (typically)
Receiving Sensitivity	• 802.11a: 54Mbps 10 ⁻⁵ BER @ -70 ±2 dBm (typical) • 802.11b: 11Mbps 10 ⁻⁵ BER @ -88 dBm (typical) • 802.11g: 54Mbps 10 ⁻⁵ BER @ -70 ±2 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-501PC
- Multi-Language Quick Installation Guide
- Utility & Driver CD-ROM

RELATED PRODUCTS

TEW-503PI	108Mbps 802.11a/g Wireless PCI Adapter
TEW-504UB	108Mbps 802.11a/g Wireless USB 2.0 Adapter
TEW-510APB	108Mbps 802.11a+g Wireless Access Point

ORDERING INFORMATION

TRENDnet

3135 Kashiwa Street, Torrance, CA 90505 USA
 Tel: 1-888-777-1550
 Fax: 310-891-1111
 Web: www.trendnet.com
 Email: sales@trendnet.com

To Order Please Call:

1-888-326-6061

