TRENDNET

Wireless N PCI Adapter
TEW-643PI (V1.0R)

The Wireless N PCI Adapter allows you to connect your desktop computer wirelessly with unsurpassed speed and reliability. Enjoy up to 8x the speed and 4x the coverage of a wireless g connection. Upgrade your desktop and enjoy faster than wired speeds with a wireless connection.

Setup is a breeze with Wi-Fi Protected Setup technology. Advanced wireless encryption protects your valuable data. The latest in MIMO antenna technology ensures the fastest communication speeds that wireless n technology provides. Stream media, download files, play games and talk online when connected to a wireless n router.

FEATURES

- Wi-Fi compliant with IEEE 802.11n standard

- Backwards compatible with IEEE 802.11g and IEEE 802.11b devices

- Supports Ad-Hoc (Client-Client) and Infrastructure (AP-Client) Mode

- Supports Multiple Input Multiple Output (MIMO) technology

- Maximum reliability, throughput and connectivity with automatic data rate switching

- Supports 64/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK

- Low interference and high susceptibility guarantee reliable performance

- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported

- Compatible with Windows 7/Vista/XP/2000 operating systems

- Easy user setup and intuitive diagnostics utilities

- Coverage of up to 50 meters indoor and 100 meters outdoor *

- 3-Year limited Warranty

SPECIFICATIONS

Hardware	
Interface	• 32-Bit PCI Bus
Standards	• IEEE 802.11b, IEEE 802.11g and IEEE 802.11n
LED Indicator	• PWR (power), NET (link activity)
Power Consumption	• Receive mode: 550mA (max) ; Transmit mode : 600mA (max)
Supported OS	• Windows 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit), 2000
Dimensions (LxWxH)	• 120 x 80mm (4.7 x 3.1in)
Weight	• 75g (2.6oz)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F); Storage: -10° ~ 70° C (14° ~ 158° F)
Humidity	• 10% ~ 90% max (non-condensing)
Certification	• CE, FCC

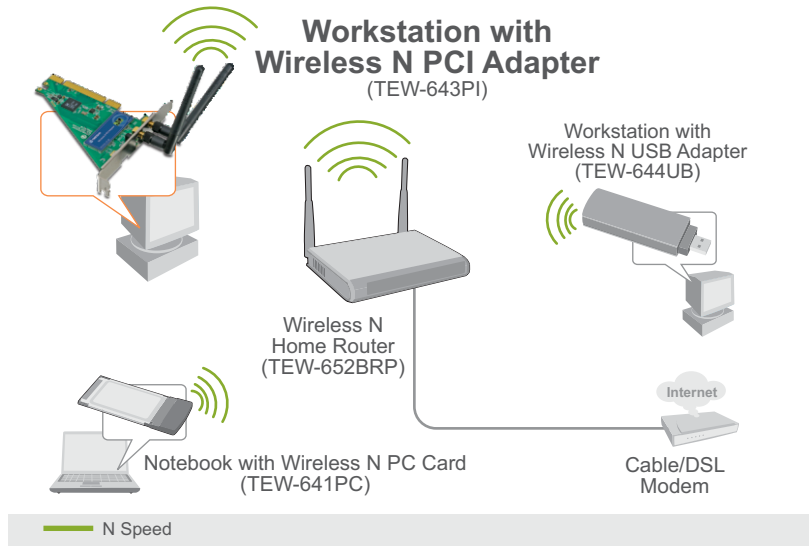| Wireless	
Module Technique	• DBPSK/DQPSK/CCK/OFDM (BPSK/QPSK/16-QAM/64-QAM)
Antenna	• 2 x 2dBi dipole detachable antennas with Reverse SMA connector
Frequency	• 2.412 ~ 2.484 GHz
Data Rate (auto fallback)	• 802.11b: up to 11Mbps • 802.11g: up to 54Mbps • 802.11n: up to 300Mbps (RX)/150Mbps(TX)
Output Power	• 802.11b: 15dBm (typical) • 802.11g: 14dBm (typical) • 802.11n : 14dBm (typical)
Receiving Sensitivity	• 802.11b: -84dBm (typical) at 11mpbs • 802.11g: -68dBm (typical) at 54Mbps • 802.11n: -65dBm at 135Mbps
Encryption	• 64/128-bit WEP (Hex & ASCII), WPA/WPA2 (TKIP/AES), WPA-PSK/WPA2-PSK
Channels	• 1~11 (FCC), 1~13 (ETSI)

*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

NETWORKING SOLUTIONS

Workstation with Wireless N PCI Adapter
(TEW-643PI)

Workstation with Wireless N USB Adapter
(TEW-644UB)

Wireless N Home Router
(TEW-652BRP)

Internet

Notebook with Wireless N PC Card
(TEW-641PC)

Cable/DSL Modem

— N Speed

PACKAGE CONTENTS

• TEW-643PI

• CD-ROM (Utility & User's Guide)

• Multi-Language Quick Installation Guide

RELATED PRODUCTS

TEW-641PC	Wireless N PC Card
TEW-644UB	Wireless N USB Adapter
TEW-652BRP	Wireless N Home Router

ORDERING INFORMATION

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