TRENDNET®

54Mbps 802.11a/b/g Wireless USB 2.0 Adapter with HotSpot Detector

TEW-509UB

The 802.11a/g Wireless USB 2.0 adapter combines features from Wi-Fi detectors and standard 802.11a/g wireless adapter to deliver the perfect solution for mobile users. It has built-in LCD display helps you determine an access point's security scheme (WPA, WEP), signal strength, and wireless standard (802.11a, 802.11b or 802.11g) without turning on your laptop!

FEATURES

• Wi-Fi Compliant with IEEE 802.11g and IEEE 802.11b Standards

• Detects IEEE 802.11a, 802.11b, and 802.11g HotSpots

• Connects to IEEE 802.11a, 802.11b or 802.11g Wi-Fi Devices

• Supports Ad-Hoc (Peer-to-Peer) Mode or Infrastructure (AP-Client) Mode

• 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

• Built-in Rechargeable Li-on Battery (Automatically charge when connected to the USB port) and Back Light Support

• Hotspot Finder displays SSID, Channel, Security Enable/Disable and Signal Strength information

• Supports Custom Search by Signal Strength, SSID or Encryption

• Maximum Reliability, Throughput and Connectivity with Automatic Data Rate Switching

• Supports WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK without Performance Degradation

• Low Interference and High Susceptibility Guarantee Reliable Performance

• Compatible with Windows 98SE/ME2000/XP (SP1/SP2)/2003 Serve
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• Range of 35~100 meters indoor, 100~300 meters outdoor (depends on the environment)

• Simple User Setup & Diagnostics Utilities
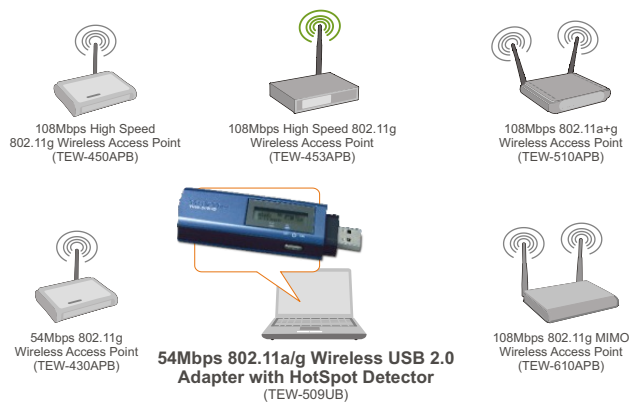
• 3-Year Warranty

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

SPECIFICATIONS

Hardware

Interface	• USB 2.0, 1.1 Compliant
LCD / LED	• 96 x 32 pixels, Back Light / PWR, ACT
Control	• Power On/Off, Scan, Next
Battery/Consumption	• 160mAh, 3.7V / 430mA
Dimensions (LxWxH)	• 97.3 x 28.6 x 14 mm (3.8 x 1.1 x 0.6 inches)
Weight	• 35g (1.2 oz.)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F);Storage: -20° ~ 70° C (-4 ~ 158 F)°
Humidity	• 10% ~ 90%max (Non-condensing)
Safety Emission	• FCC, CE

Wireless

Module Technique	• 802.11a: OFDM with BPSK, SPSK, 16/64 QAM sub-carrier • 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11g: OFDM with BPSK, SPSK, 16/64 QAM sub-carrier
Frequency	• 802.11a: 4.920 ~ 5.825 GHz • 802.11b/g: 2.412 ~ 2.484 GHz
Media Access Protocol	• CSMA/CA
Transmit Power	• 15dBm ± 2dBmT
Receiving Sensitivity	• 802.11a: -71dBm @ 54Mbps • 802.11b: -87dBm @ 11Mbps • 802.11g: -72dBm @ 54Mbps
Encryption	• 64/128/152-bit WEP (Hex /Passphrase), WPA/WPA2 (AES/TKIP), WPA-PSK / WPA2-PSK, 802.1x
Channels	• 802.11a: Subject to Local Regulations • 802.11b/g: 1~11 (US), 1~13 (EU) • Japan: 802.11b (1~14), 802.11g (1~13)

NETWORKING SOLUTIONS

108Mbps High Speed 802.11g Wireless Access Point (TEW-450APB)

108Mbps High Speed 802.11g Wireless Access Point (TEW-453APB)

108Mbps 802.11a+g Wireless Access Point (TEW-510APB)

54Mbps 802.11g Wireless Access Point (TEW-430APB)

54Mbps 802.11a/g Wireless USB 2.0 Adapter with HotSpot Detector (TEW-509UB)

108Mbps 802.11g MIMO Wireless Access Point (TEW-610APB)

—— detected   —— connected   *Laptop/PC is not required to detect HotSpots

PACKAGE CONTENTS

• TEW-509UB

• Utility & Driver CD-ROM

• Multi-Language Quick Installation Guide

RELATED PRODUCTS

TEW-501PC	108Mbps 802.11a/g Wireless CardBus PC Card
TEW-503PI	108Mbps 802.11a/g Wireless PCI Adapter
TEW-510APB	108Mbps 802.11a+g Wireless Access Point
TEW-511BRP	108Mbps 802.11a+g Wireless AP Router

ORDERING INFORMATION

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