108Mbps 802.11g Wireless Access Point
TEW-450APB (A1)

The TRENDnet TEW-450APB 108Mbps High Speed 802.11g Wireless Access Point with XR support, which achieves "wired" speeds wirelessly with the latest technology. Using frame bursts, frame compression, fast frames and dynamic turbo, the TEW-450APB can have speeds up to 108Mbps. The TEW-450APB is also compatible with standard 802.11b/g and has WPA-PSK, 64/128-bit WEP security.

FEATURES

- Wi-Fi Compliant with IEEE 802.11g / 802.11b Wireless Devices
- High-Speed Wireless Access Point with up to 108Mbps Connection
- Supports Access Point, AP Client, Repeater and Bridge (PTP & PTMP) Modes
- Support WDS Enable/Disable Function for AP Client & Repeater Modes
- Supports Super G and XR (eXtended Range) Technology Data Rate up to 108Mbps (In AP Mode only)
- Dynamic Data Rate Scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- Dynamic Data Rate Scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- Supports ESSID Enable/Disable to Increase Security
- Supports 64/128-bit WEP (Hex & ASCII), WPA and WPA-PSK
- Allows 802.1x and Non-802.1x Clients Running Simultaneously
- Adjust Transmit Power (Full / Half (-3dB)/ Quarter(-6dB)/ Eighth(-9dB)/ Min)
- Easy Configuration with Web Browser and Built-in Flash Memory for Firmware Upgrade
- Range for Indoor of 30 ~ 50 meters (depends on the environment)
- Range for Outdoor of 50 ~ 200 meters (without XR), 400 ~ 450 meters (with XR) (depends on the environment)
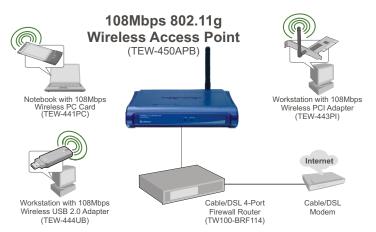- 3-Year Warranty

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

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SPECIFICATIONS

Hardware

Standards	• **Wired:** IEEE 802.3 (10Base-T), IEEE 802.3/802.3u (100Base-TX) , ANSI/IEEE 802.3 Auto Negotiation • **Wireless:** IEEE 802.11b (11Mbps), IEEE 802.11g (54Mbps)
LED Indicator	• Power, LAN, WLAN
Protocols	• TCP/IP
Interface	• LAN : 1 x 10/100Mbps Auto-MDIX Port
Antenna	• 1 x 2dBi External Detachable Dipole Antenna (Female Reverse SMA Connector)
Network Protocols	• 802.3u : 10/100Mbps Fast Ethernet, IP v4, UDP, ICMP, TCP, DHCP
Power Source	• 5V DC, 2A External Power Adapter
Dimensions (LxWxH)	• 146 x 113 x 41 mm (5.7 x 4.4 x 1.6 inches) (without antenna)
Weight	• 226g. (8 oz.)
Temperature	• Operating: 0°~ 55°C (32°F~ 131°F) • Storage: -10°~ 70°C (14°F~ 158°F)
Humidity	• Max. 95% (non-condensing)
Certification	• FCC, CE

Wireless

Redio Technology	• Direct Sequence Spread Spectrum (DSSS) • Orthogonal Frequency Division Multiplexing (OFDM)
Module Technique	• 802.11b: CCK, DQPSK, DBPSK • 802.11g: OFDM
Frequency Range	• 2.4 ~ 2.484 GHz
Transmit Power	• 802.11b/g: 15±2dBm
Data Rate (auto fallback)	• 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps • 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps • Super G: 108Mbps
Channels	• 1~11 Channel (US) , 1~13 Channel (EU)
Security	• 64/128-bit (WEP), WPA, WPA-PSK, ESSID Control, MAC Address Filter
Management	• Windows Based Utility or Web Browser (HTTP)
Receiving Sensitivity	• 11Mbps 8% PER @ -85 dBm (typical) • 54Mbps 10% PER @ -70 dBm (typical)

NETWORKING SOLUTIONS

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

Notebook with 108Mbps Wireless PC Card (TEW-441PC)

Workstation with 108Mbps Wireless PCI Adapter (TEW-443PI)

Workstation with 108Mbps Wireless USB 2.0 Adapter (TEW-444UB)

Cable/DSL 4-Port Firewall Router (TW100-BRF114)

Cable/DSL Modem

Internet

PACKAGE CONTENTS

• TEW-450APB

• Multi-Language Quick Installation Guide

• CD-ROM (User's Guide)

• Power Adapter (5V, 2A)

RELATED PRODUCTS

TEW-441PC	108Mbps 802.11g Wireless PC Card
TEW-443PI	108Mbps 802.11g Wireless PCI Adapter
TEW-444UB	108Mbps 802.11g Wireless USB 2.0 Adapter

ORDERING INFORMATION

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