



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

The TRENDnet TEW-510APB Super A+G Access Point meets the growing demand for bandwidth intensive applications such as streaming media. The TEW-510APB provides seamless integration to compatible 802.11a/b/g wireless clients for high speed Internet access. The TEW-510APB secures wireless communications with WEP, WPA, or MAC filtering and provides fast frame, frame bursting, frame compression, and dynamic turbo for Super A or Super G clients.



FEATURES

- ... Wi-Fi Compliant with IEEE 802.11a, IEEE 802.11g, and IEEE 802.11b Wireless Devices
- ... Wireless System-on-a-Chip (WiSoC), including integrated 32-bit MIPS 4000 processor and over 200MHz frequency
- ... Supports Super AG technology Data Rate.
- ... Supports Access Point and WDS AP Client, Repeater and Bridge Modes
- ... Dynamic Data Rate Scaling at 108, 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 Feature to Increase Security 64/128/152-bit Wired Equivalent Privacy (WEP) with HEX or ASCII key
- ... Supports WPA/WPA-PSK, AES and TKIP
- ... Supports Super AG, Dynamic Turbo (with Radio Adaptive Algorithm) and Static Turbo Mode
- ... Supports draft IEEE 802.11e, h and I Standards
- ... Supports Wireless Multimedia Enhancements Quality of Service (QoS)
- ... Easy Configuration with Web Browser and 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

BENEFITS

- ... **Easy Integration:**
Setup your own Wireless Hot Spot fast and easy. Cost-
- ... **Effectiveness:**
Saves on network cable installation fee and on-line charges.
- ... **Security:**
64/128-bit WEP protect Access Point from unwanted wireless clients.
- ... **Traffic Control:**
Controls traffic with MAC Address Filter feature



TEW-510APB

108Mbps 802.11a+g Wireless Access Point

SPECIFICATIONS

HARDWARE

Standards:

- Wired: IEEE 802.3 (10Base-T), and IEEE 802.3u (100Base-TX)
- Wireless: IEEE 802.11b (11Mbps), IEEE 802.11g (54Mbps) and 802.11a (54Mbps)

LED Indicator:

- Power, 11a ACT, 11g ACT, LAN, Status

Interface:

- LAN : 1 x 10/100Mbps Auto-MDIX Port

Antenna:

- 1 x 2dBi External Detachable Dual Band Antenna with Female Reverse SMA Connector

Network Protocols:

- 802.3u : 10/100Mbps Fast Ethernet, IP v4, UDP, ICMP, TCP ; DHCP

CPU:

- Atheros AR5312 SoC (R4K @220MHz)

Memory:

- 2MB (Flash Memory) / 16MB (Main Memory)

Power Source:

- 5V DC, 2A External Power Adapter

Dimension (L x W x H):

- 124 x 86 x 40 mm (4.9 x 3.4 x 1.6 inches) (without antenna)

Weight:

- 118g. (0.26 lb)

Temperature:

- Operating: 0°~ 40°C (32°F~ 104°F)
- Storage: -20°~ 60°C (-4°F~ 120°F)

Humidity:

- Max. 95% (non-condensing)

Certification:

- FCC & CE



WIRELESS

Radio Technology:

- Direct Sequence Spread Spectrum (DSSS)
- Orthogonal Frequency Division Multiplexing (OFDM)

Module Technique:

- 802.11b: CCK, DQPSK, DBPSK
- 802.11g: OFDM

Frequency Range:

- 802.a: UNI-Band 5.15 ~ 5.85 Ghz
- 802.11 b/g: ISM 2.412 ~ 2.484Ghz

Data Rate (auto fallback):

- 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps
- 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps
- Super AG: 108Mbps

Channels:

- 1~11 Channel (US) , 1~13 Channel (EU)

Security:

- 64/128/152-bit (WEP), WPA, WPA-PSK, 802.1X/EAP, ESSID Control, MAC Filter

Management:

- Web Browser

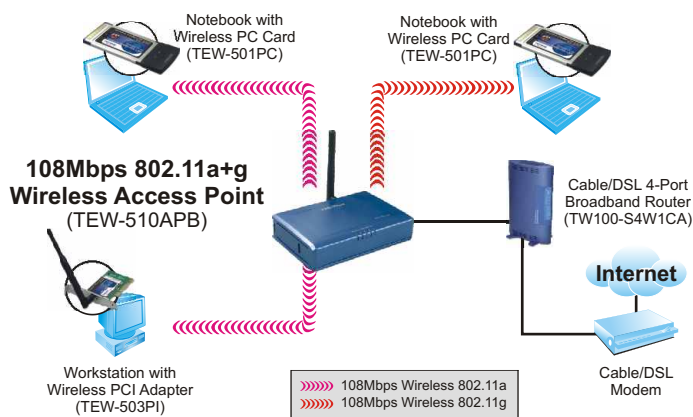
Transmit Power:

- 802.11a: 15dBm (typically)
- 802.11b: 18dBm (typically)
- 802.11g: 16dBm (typically)

Receiving Sensitivity:

- 802.11g: 54Mbps 10 -5 BER @ -71 dBm (typical)
- 802.11b: 11Mbps 10 -5 BER @ -84 dBm (typical)
- 802.11g: 54Mbps 10 -5 BER @ -72 dBm (typical)

NETWORKING SOLUTIONS



RELATED PRODUCT

- ➔ **TEW-501PC:**
108Mbps 802.11a/g Wireless CardBus PC Card
- ➔ **TEW-503PI:**
108Mbps 802.11a/g Wireless PCI Adapter
- ➔ **TEW-504UB:**
108Mbps 802.11a/g Wireless USB 2.0 Adapter

ORDERING INFORMATION

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