



TEW-412APBO

54Mbps 802.11g 9dBi High Power Wireless Outdoor AP Bridge

TRENDnet's TEW-412APBO is a High Power Wireless Access Point designed for enterprise applications. The TEW-412APBO provides Wireless Access Point, Wireless Bridging, and Wireless Repeater functions integrated into one compact unit. The TEW-412APBO comes with 9 dBi built-in antenna and all weather proof housing architecture, making the TEW-412APBO an ideal device for both indoor and outdoor wireless applications. In addition to the WEP data security, the TEW-412APBO features Wi-Fi Protected Access (WPA) with Temporal Key Integrity Protocol (TKIP) to ensure high level of data integrity for any network projects. The TEW-412APBO also includes 802.1x security protocol for enterprise RADIUS authentication server. The TEW-412APBO is the best network appliance for constructing a new wireless infrastructure or extending an existing corporate network.



FEATURES

- Wi-Fi Compliant with IEEE 802.11g and 802.11b Devices on 2.4Ghz ISM Frequency Band
- Supports Access Point, WDS Bridge (P2P, P2MP) & Repeater Modes
- Built-in 9dBi High Gain Flat Panel Antenna
- Provides Wireless Security with 64-bit/128-bit WEP (Wired Equivalent Privacy) & WPA (Wi-Fi Protected Access)
- MAC Address Filtering (40 of Allow or Deny entries)
- SSID Broadcast Enable/Disable Control & 802.1x Authentication Protocol Support
- Power-over-Ethernet (PoE) Support
- Flash Memory for Firmware Upgrade, Save/Restore Settings, and Traffic Log
- Compatible with Windows 95/98/ME/2000/XP, Linux and Mac OS
- Easy Management via Web Browser (HTTP) and Remote Management
- Range of 802.11b @ 19dBm up to 2 km in AP(9dBi) & Client (2dBi); up to 5 km in Bridge (2 x 9dBi) (depends on the environment)
- Range of 802.11g @ 19dBm up to 500m in AP(9dBi) & Client (2dBi); up to 2 km in Bridge (2 x 9dBi) (depends on the environment)
- 3-Year Warranty

BENEFITS

- **Integration Friendly:** Supports Ethernet/Fast Ethernet Network and Web Browser configuration for fast and easy configuration. Power-Over-Ethernet unit supplies the electricity over Ethernet cable
- **Performance:** Effective built-in 9dBi directional antenna for wireless inter-building network bridging or Internet "Hot-Spot" applications
- **Flexible:** Works as stand-alone AP, WDS Bridge or Repeater
- **Security:** Provides 64-bit or 128-bit WEP Encryption, WPA, Access Control List, and Firewall

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SPECIFICATIONS

HARDWARE

Standards:

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

LED Indicators:

- Wireless, LAN, Power

Antenna Connector:

- Built-in 9dBi Patch Antenna, Vertical Polarization, V45 H45

Protocol:

- TCP/IP, IPS/SPX, NetBEUI

Dimension (L x W x H):

- 185 x 160 x 55 mm (7.3 x 6.3 x 2.2 inches)

Weight:

- 0.7kg (1.54 lbs)

Temperature:

- -20°~65°C (-4°F~149°F)

Humidity:

- Max. 95% (Non-Condensing)

Power:

- POE Support, External AC/DC Converter 100/230V to 5V DC 1.5A, 3 Watts max.

Certification:

- FCC & CE



WIRELESS

Frequency:

- 2.4 to 2.4835GHz (Industrial Scientific Medical Band)

Module Technique:

- 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
- 802.11g: OFDM

Media Access Protocol:

- CSMA/CA with ACK

Data Rate (auto-fallback):

- 802.11b: 11Mbps, 5Mbps, 2Mbps and 1Mbps
- 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 12Mbps and 6Mbps

Security:

- 64/128bit WEP, WPA (TKIP), 802.1x RADIUS Client (MD5, TLS)
- Enable/Disable SSID Broadcast, MAC Address Filtering, Layer 2 Isolation

Transmit Power:

- 19dBm±1 @ Nominal Temp Range

Receiving Sensitivity:

- 11Mbps 10 – 5 BER @ -87 dBm (typical); 54Mbps 10 – 5 BER @ -71 dBm (typical)

Channels:

- 11 Channels (US), 13 Channels (EU)

Management

Device Configure:

- Web-Based (Http). SNMP MIB

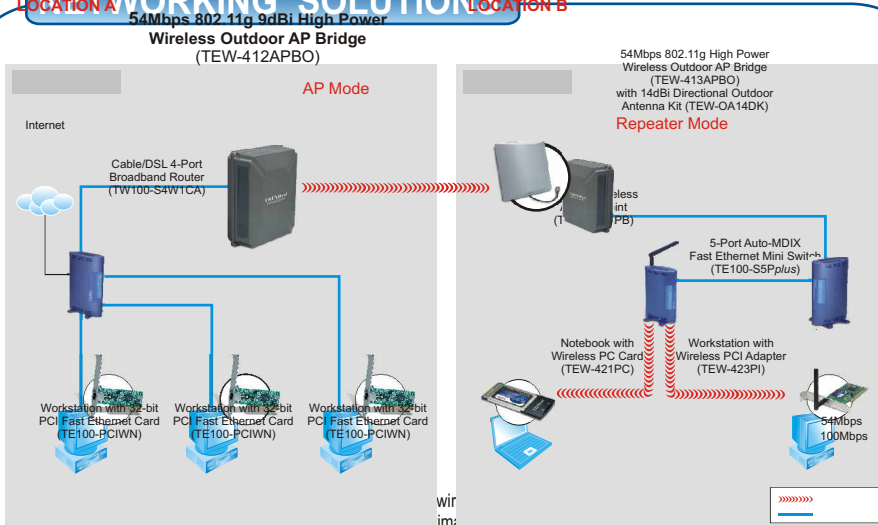
Status & Log:

- Device Status, Network Status & System Log

Diagnostic:

- Site Survey & Link Test

NETWORKING SOLUTIONS



installer for site survey, safety precautions, and proper installation

Note: Effective wireless coverage may vary depending on the wireless device's output power, antenna gain, antenna alignment, receiving sensitivity, and radio interference. For optimal results, we recommended that you consult a professional installer for site survey, safety precautions, and proper installation

RELATED PRODUCT

- ❖ **TEW-413APBO:**
54Mbps 802.11g High Power Outdoor AP Bridge
- ❖ **TEW-430APB:**
54Mbps 802.11g Wireless Access Point
- ❖ **TEW-421PC:**
802.11g 54Mbps Wireless CardBus PC Card
- ❖ **TEW-423PI:**
54Mbps 802.11g Wireless PCI Adapter

To Order Please Call:

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