



TEW-413APBO 54Mbps 802.11g High Power Wireless Outdoor AP Bridge

TRENDnet's TEW-413APBO is a High Power Wireless Access Point designed for enterprise applications. The TEW-413APBO provides Wireless Access Point, Wireless Bridging, and Wireless Repeater functions integrated into one compact unit. The TEW-413APBO is constructed with all weather proofing materials, making the TEW-413APBO an ideal device for both indoor and outdoor wireless applications. The TEW-413APBO comes with antenna connector for attaching external antenna. Network professionals have the flexibility and freedom to design wireless networks with optimal performance. In addition to the WEP data security, the TEW-413APBO 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-413APBO also includes 802.1x security protocol for enterprise RADIUS authentication server. The TEW-413APBO 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 Female N-Type Connector for additional High-Gain Antennas
- ... Provides Wireless Security with 64-bit/128-bit Wired Equivalent Privacy (WEP) & WPA-TKIP
- ... Provides Layer 2 Isolation and MAC Address Filtering
- ... SSID Broadcast Control & 802.1x Authentication Support
- ... Adjustable Radio Output Power (17, 19, 21 or 23 dBm)
- ... Supports IAPP Seamless Roaming
- ... 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 @23dBm up to 9.5 km in AP(14dBi) & Client (2dBi); up to 35 km in Bridge (2 x 14dBi) (depends on the environment)
- ... Range of 802.11g @23dBm up to 1.5 km in AP(14dBi) & Client (2dBi); up to 6 km in Bridge (2 x 14dBi) (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:**
The user can select different High-Gain Antenna to suit the network needs.
- ... **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

TEW-413APBO

54Mbps 802.11g High Power Wireless Outdoor AP Bridge

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:

- Reverse Female N-Type Connector for External High Gain Antenna

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

Output Power:

- 17, 19, 21 or 23 dBm (Adjustable)

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

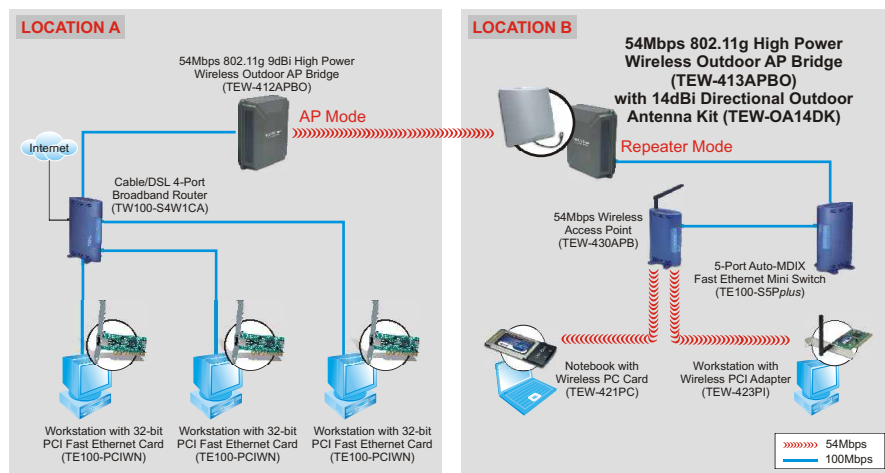
Status & Log:

- Device Status, Network Status & System Log

Diagnostic:

- Site Survey & Link Test

NETWORKING SOLUTIONS



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-412APBO:** 54Mbps 802.11g 9dBi 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

ORDERING INFORMATION

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