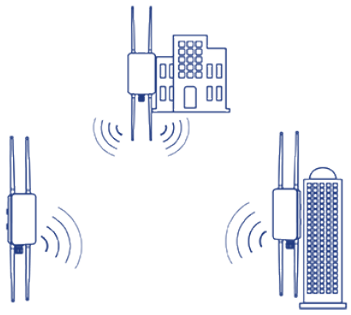
5 dBi Wireless AC1300 Outdoor PoE+ Omni-Directional Access Point

TEW-841APBO (v1.0R)

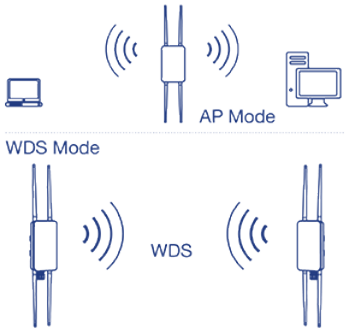
- Dual band Wireless AC1300 point-to-point and point-to-multi-point bridge
- 4 x 5 dBi omni-directional antennas
- Supports Access Point, WDS Bridge, WDS Access Point, WDS Station, and Client Bridge modes
- Supports IEEE 802.3at PoE+
- IP67 outdoor weather rated housing

TRENDnet's 5 dBi Wireless AC1300 Outdoor PoE+ Omni-Directional Access Point, model TEW-841APBO, is designed for point-to-point and point-to-multi-point WiFi bridging applications. The wireless multi-point bridge can be powered with a PoE+ switch or PoE+ injector of your choosing. A variety of installation scenarios are facilitated with Access Point, WDS Bridge, WDS Access Point, WDS Station, and Client Bridge modes. The IP67 rated housing on the wireless multi-point bridge is designed for outdoor environments, and includes wall and pole mounting hardware.



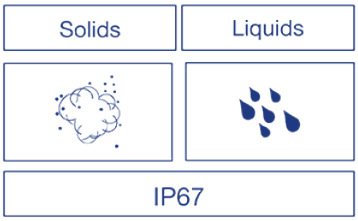
Wireless Multi-Point Bridge

Use this dual band wireless AC1300 point-to-multi-point bridge to conveniently link two or more locations together with wireless AC speeds and performance.



Wireless Modes

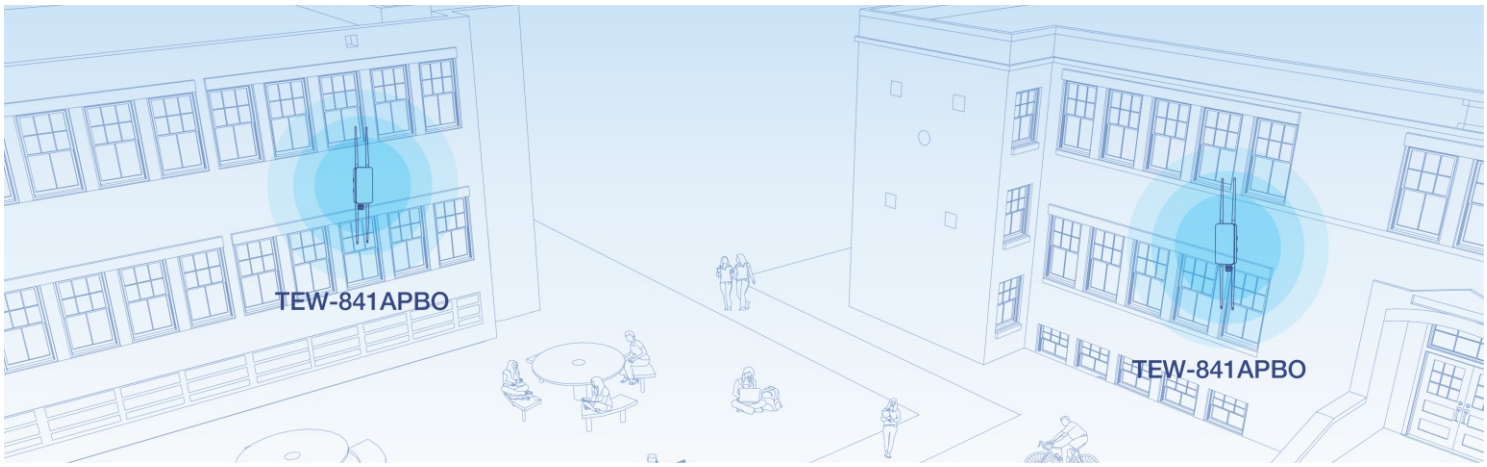
Supports Access Point, WDS Bridge, WDS Access Point, WDS Station, and Client Bridge modes for a variety of wireless applications.

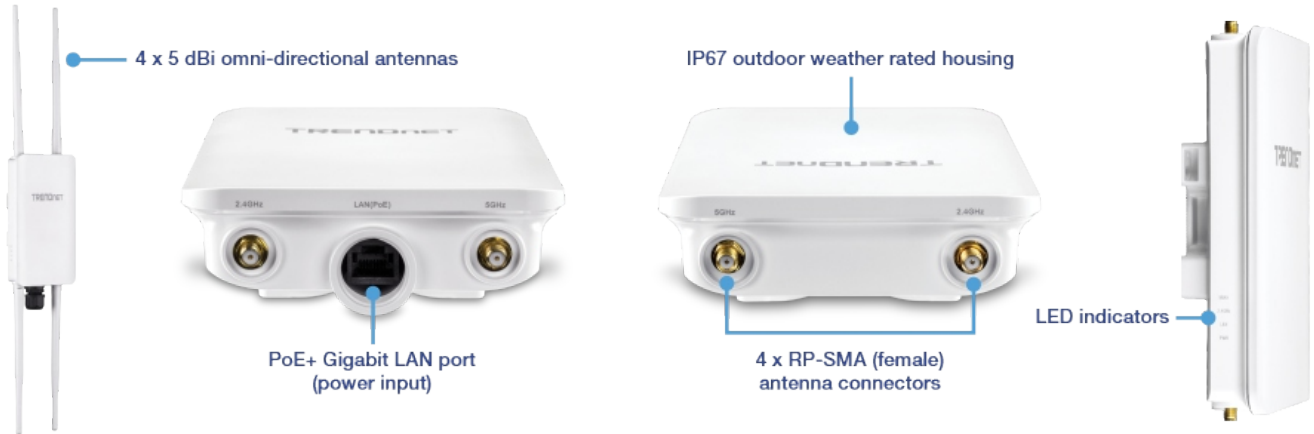


Outdoor Ready

Built for outdoor installations with an IP67 outdoor protection rating and an operating temperature range of -20° – 60° C (-4° – 140° F).

NETWORKING SOLUTION





FEATURES

Concurrent Dual Band
AC1300: concurrent 867Mbps WiFi AC + 400Mbps WiFi N bands

Wireless Modes
Supports Access Point, WDS Bridge, WDS Access Point, WDS Station, and Client Bridge modes

Outdoor Rated
Durable enclosure with an IP67 outdoor weather rating

Omni-Directional Antenna
4 x 5 dBi omni-directional antennas

PoE Powered
Supports 802.3at PoE+ power input

Logs
Real time logs and statistics help troubleshooting

Encrypted Wireless
Support for wireless encryption of up to WPA2

Multiple SSID
Create up to eight dual band SSIDs with band steering capabilities

Mounting Hardware
Pole and wall mount hardware included

Compatibility
Compatible with legacy wireless devices

SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3az
- IEEE 802.3at
- IEEE 802.1Q
- IEEE 802.11a
- IEEE 802.11b

IEEE 802.11g
- IEEE 802.11n (up to 400Mbps @ 256QAM)
- IEEE 802.11ac Wave 2 (5GHz: up to 867Mbps @ 256QAM)

Hardware Interface
- 1 x PoE+ Gigabit LAN port (power input)
- 4 x RP-SMA (female) antenna connectors
- LED indicators

Features
- 802.11ac MU-MIMO Wave 2 support
- IP67 rated housing
- Concurrent dual band
- Band steering
- WiFi traffic shaping
- 802.1Q VLAN assignment per SSID
- IPv6 support (Link-Local, Static IPv6)
- LEDs on/off
- 802.11k intelligent radio resource management
- RSSI Threshold (client signal strength and connectivity control)

Operation Modes
- Access Point
- Client Bridge
- WDS Access Point
- WDS Bridge
- WDS Station

Management/Monitoring
- Web based management
- SNMP v1/v2c/v3
- STP
- Event logging
- Ping test
- Traceroute
- Nslookup
- Telnet

Access Control
- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- MAC filter
- Maximum client limit

QoS
- WMM
- Bandwidth control per SSID or client

SSID
- Up to 8 SSIDs

Frequency
- 2.4GHz: 2.412 – 2.462GHz
- 5GHz: 5.180 – 5.240GHz, 5.745 – 5.825GHz

Wireless Channels
- 2.4GHz: FCC: 1–11
- 5GHz: FCC: 36, 40, 44, 48, 149, 153, 157, 161 and 165

Modulation
- DBPSK/DQPSK/CCK for DSSS technique
- BPSK/QPSK/16-QAM/64-QAM/256-QAM for OFDM technique

Antenna Gain
- 2.4GHz: 2 x 5 dBi external
- 5GHz: 2 x 5 dBi external

Wireless Output Power
- 802.11a: FCC/IC: 19 dBm (max.)
- 802.11b: FCC/IC: 19 dBm (max.)
- 802.11g: FCC/IC: 19 dBm (max.)
- 802.11n (2.4GHz): FCC/IC: 19 dBm (max.)
- 802.11n (5GHz): FCC/IC: 19 dBm (max.)
- 802.11ac: FCC: FCC/IC: 19 dBm (max.)

Receiving Sensitivity
- 802.11a: -72 dBm (typical) @ 54 Mbps
- 802.11b: -87 dBm (typical) @ 11 Mbps
- 802.11g: -72 dBm (typical) @ 54 Mbps
- 802.11n (2.4 GHz): -67 dBm (typical) @ 400 Mbps
- 802.11n (5 GHz): -61 dBm (typical) @ 400 Mbps
- 802.11ac: -58 dBm (typical) @ 867 Mbps

Power
- IEEE 802.3at Type 2 PoE PD Class 4
- Max. consumption: 12.6W

MIMO Configuration

- 5GHz: 2x2:2
- 2.4GHz: 2x2:2

Operating Temperature

- -22° – 60° C (-7.6° – 140° F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- FCC
- IC

Dimensions

- 111 x 174 x 38mm (4.4 x 6.9 x 1.5 in.)

Weight

- 302g (10.7 oz.)

Warranty:

- 3 year

Package Contents

- TEW-841APBO
- 2 x Detachable 2.4GHz 5 dBi antennas
- 2 x Detachable 5GHz 5 dBi antennas
- IP67 weather rated cable gland
- Mounting hardware
- Quick Installation Guide

*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions. For maximum performance of up to 867Mbps use with an 867Mbps 802.11ac wireless adapter. For maximum performance of up to 400Mbps, use with a 400Mbps 802.11n wireless adapter. Multi-User MIMO (MU-MIMO) requires the use of multiple MU-MIMO enabled wireless adapters.

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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