

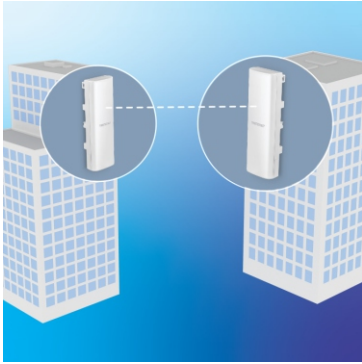


14 dBi WiFi 6 AX1200 Outdoor Directional PoE Access Point

TEW-940APBO (v1.0R)

- 5GHz WiFi 6 AX1200 point-to-point bridge
- 1 x Gigabit PoE (in) port, and 1 x Gigabit port
- 14 dBi directional antenna
- Supports Access Point, Client Bridge, and Repeater modes
- IP55 outdoor weather rated housing
- Proprietary PoE power adapter included
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 14 dBi WiFi 6 AX1200 Outdoor Directional PoE Access Point, model TEW-940APBO, is designed for point-to-point WiFi bridging applications. The 5GHz outdoor wireless access point supports wireless point-to-point installation scenarios with Access Point, Client Bridge, and Repeater modes. The IP55 rated housing is designed for outdoor environments, and includes wall and pole mounting hardware. Faster speeds are possible on this WiFi 6 access point with OFDMA and MU-MIMO technologies. MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance on the outdoor wireless access point when multiple devices access the network.



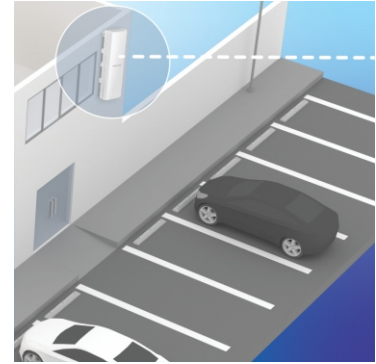
Point-to-Point Bridge

The outdoor wireless access point supports wireless AX1200 point-to-point networking (5GHz) with access point, client bridge, and repeater modes.



WiFi 6 AX1200

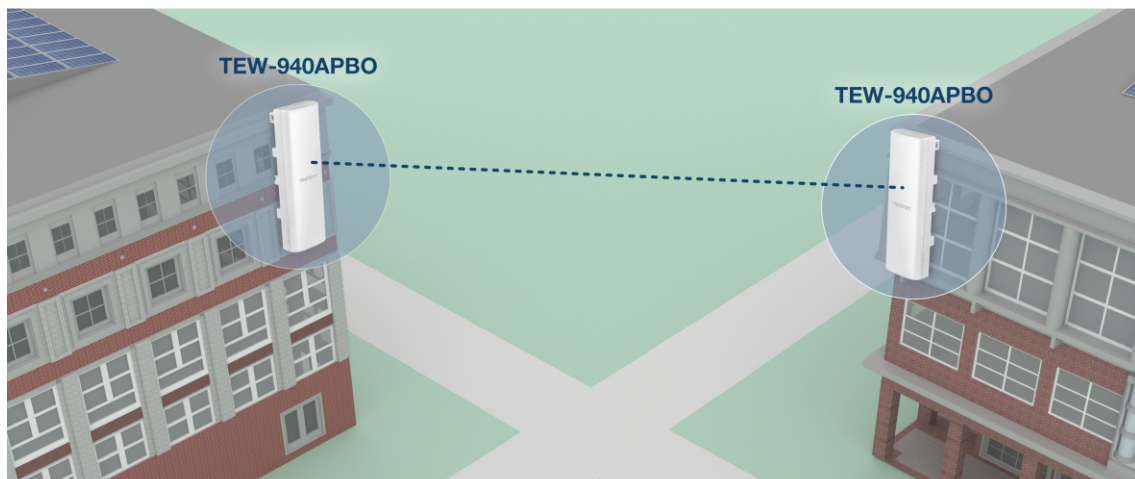
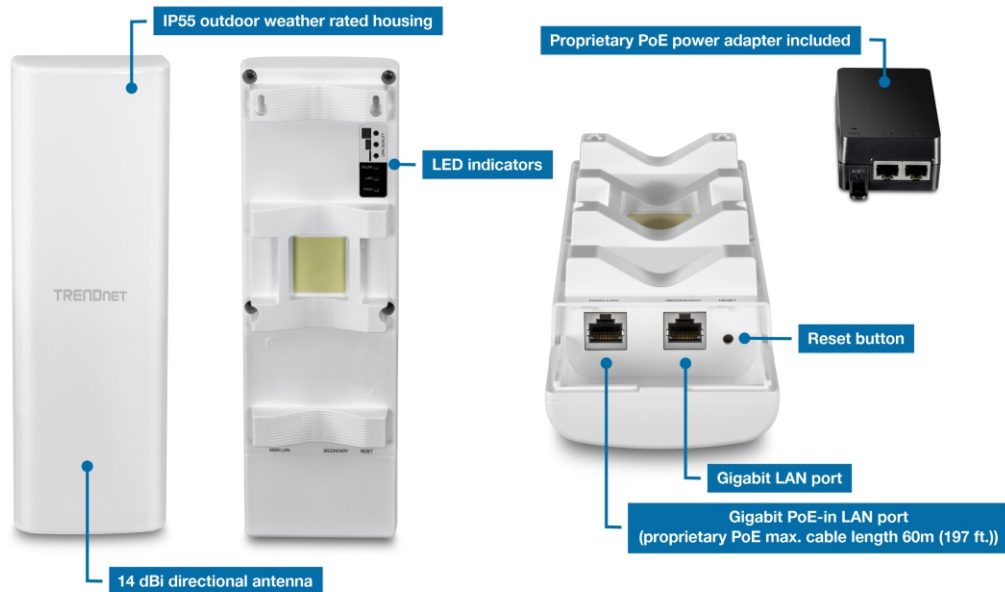
Supports WiFi 6 AX1200 (5GHz) to maximize point-to-point networking speeds and includes convenient wireless connection quality LEDs for ease of installation.











Outdoor Ready

Built for outdoor environments with an IP55 weather rating, and an operating temperature range of -20° – 60° C (-4° – 140° F).

NETWORKING SOLUTION



FEATURES

- **Wireless Modes**
Supports Access Point, Client Bridge, and Repeater modes
- **Wi-Fi 6 AX1200 (5GHz)**
Compliant with 802.11ax/n/ac 5GHz technology with data rates up to 1.2Gbps*
- **Outdoor Rated**
Durable enclosure with an IP55 outdoor weather rating
- **Directional Antenna**
14 dBi directional antenna
- **PoE Power Adapter**
Proprietary PoE power adapter included
- **Encrypted Wireless**
Support for wireless encryption of up to WPA3
- **Mounting Hardware**
Pole and wall mount hardware included
- **LED Indicators**
LEDs convey wireless connection quality for ease of installation

SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.1d
- IEEE 802.1Q
- IEEE 802.1X
- IEEE 802.11a
- IEEE 802.11k
- IEEE 802.11n (5GHz: up to 300Mbps)*
- IEEE 802.11ac (5GHz: up to 867Mbps)*
- IEEE 802.11ax (5GHz: up to 1201Mbps)*

Hardware Interface

- 1 x Gigabit PoE-in LAN port (proprietary PoE max. cable length 60m (197 ft.))
- 1 x Gigabit LAN port
- LED indicators
- Reset button

Operation Modes

- Access Point
- Client Bridge
- Repeater

Certifications

- FCC

Access Control

- Wireless encryption: OWE (Opportunistic Wireless Encryption), WPA/WPA2/WPA3-RADIUS (Enterprise), WPA-PSK/WPA2-PSK/WPA3-SAE (Personal)
- MAC filter (max entries: 32)
- Maximum client limit
- Client isolation/separate stations

QoS

- WMM
- Bandwidth control per SSID

SSID

- Up to 8 SSIDs

Frequency

- 5.150GHz – 5.250GHz, 5.725GHz – 5.850GHz

Wireless Channels

- 5 GHz: 36, 40, 44, 48, 149, 153, 157, 161, 165

Modulation

- BPSK/QPSK/16-QAM/64-QAM/256-QAM/1024-QAM for OFDM/OFDMA

MIMO Configuration

- 5GHz: 2x2:2
- 2.4GHz: N/A

Antenna Gain

- 14 dBi internal directional patch antenna

Distance

- Up to 1km**

Wireless Output Power

- 802.11a: 23 dBm (max.)
- 802.11n: 22 dBm (max.)
- 802.11ac: 22 dBm (max.)
- 802.11ax: 22 dBm (max.)

Receiving Sensitivity (per chain)

- 802.11a: -71 dBm (typical) @ 54Mbps
- 802.11n: -66 dBm (typical) @ 300Mbps
- 802.11ac: -55 dBm (typical) @ 867Mbps
- 802.11ax: -54 dBm (typical) @ 1201Mbps

Power

- Input: 100 – 240V AC, 50/60Hz, 0.8A
- Output: 54V DC, 0.6A proprietary/passive
- PoE injector
- Max. Consumption: 10.1W

Operating Temperature

- -20° – 60° C (-4° – 140° F)

Operating Humidity

- Max. 90% non-condensing

Features

- 802.11ax WiFi 6 support
- IP55 rated housing
- MU-MIMO
- Band steering
- Airtime fairness
- 802.1Q VLAN assignment per SSID
- IPv6 support
- LEDs on/off
- 802.11k intelligent radio resource management
- RSSI Threshold (client signal strength and connectivity control)
- LLDP
- Bonjour/UPnP

Dimensions

- 82 x 257 x 50mm (7.3 x 3.9 x 1.4 in.)

Package Contents

- TEW-940APBO
- Quick Installation Guide
- Proprietary/Passive PoE injector (54V DC, 0.6A)
- Mounting hardware

Management/Monitoring

- Web based management (HTTP/HTTPS)
- Command Line Interface (SSH)
- SNMP v2c/v3
- Spanning Tree Protocol (STP)
- Event logging
- Ping test
- Traceroute
- Performance throughput test
- Schedule WiFi radio enable/disable
- Ping watchdog/gateway connection monitor
- Reboot & scheduled automatic reboot
- Channel utilization scan/AP detection

Weight

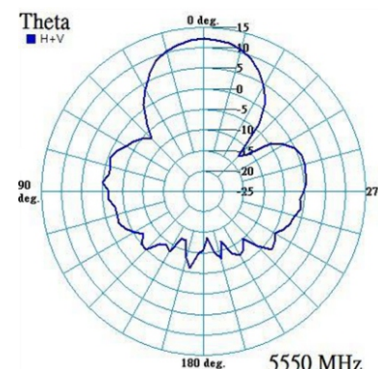
- 598g (21.09 oz.)

Warranty

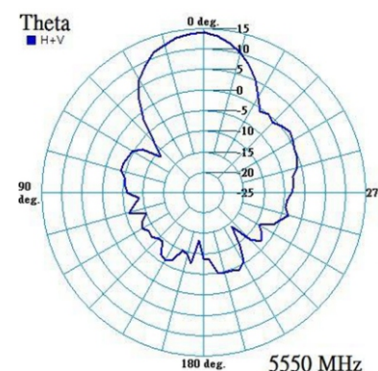
- 3 year

Antenna Pattern

• 5G Antenna 1



• 5G Antenna 2



Disclaimer:

* Effective wireless coverage may vary depending on the wireless device's output power, antenna gain, antenna alignment, receiving sensitivity, and radio interference. Additionally, environmental factors such as weather conditions, physical obstacles, and other considerations may affect performance. For optimal results, we recommended consulting a professional installer for site survey, safety precautions, and proper installation.

** The distance listed in the specification is based on internal wireless connectivity between two TEW-940APBO units with consideration to acceptable data transmission rates performance throughput. Actual achievable connectivity and performance throughput may vary based on environmental factors in the installed locations.

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.