TRENDNET®
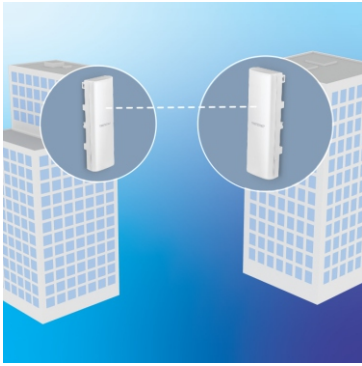

14 dBi WiFi 6 AX1200 Outdoor PoE Preconfigured Point-to-Point Bridge Kit
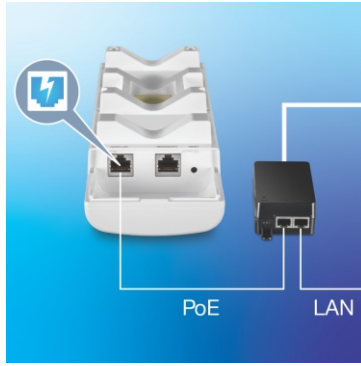
TEW-940APBO2K (v1.0R)

- 5GHz WiFi 6 AX1200 point-to-point bridge kit
- Includes two preconfigured TEW-940APBO access points
- 1 x Gigabit PoE (in) port, and 1 x Gigabit port each
- 14 dBi directional antennas
- Supports Access Point, Client Bridge, and Repeater modes
- IP55 outdoor weather rated housing
- Proprietary PoE power adapters included

TRENDnet's 14 dBi WiFi 6 AX1200 Outdoor PoE Preconfigured Point-to-Point Bridge Kit, model TEW-940APBO2K, provides reliable, long-range wireless AX1200 point-to-point connectivity. This preconfigured 5GHz outdoor WiFi 6 bridge kit provides installers the simplest way to create a long-distance wireless point-to-point bridge. The outdoor WiFi 6 bridge kit conveniently links two locations together with WiFi 6 AX1200 speed and performance. Faster speeds are possible with this outdoor point-to-point WiFi 6 bridge kit 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. The IP55 rated housing is designed for outdoor environments, and includes wall and pole mounting hardware.
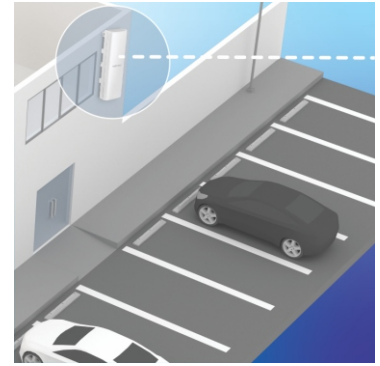
Preconfigured Point-to-Point Bridge

Reduce installation and setup time with this preconfigured and pre-encrypted long-range outdoor WiFi bridge kit.
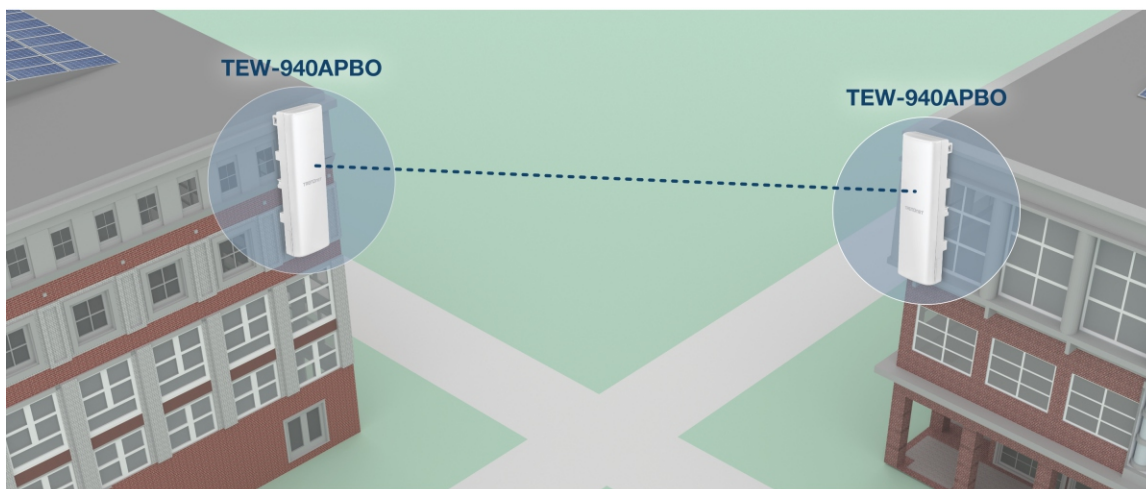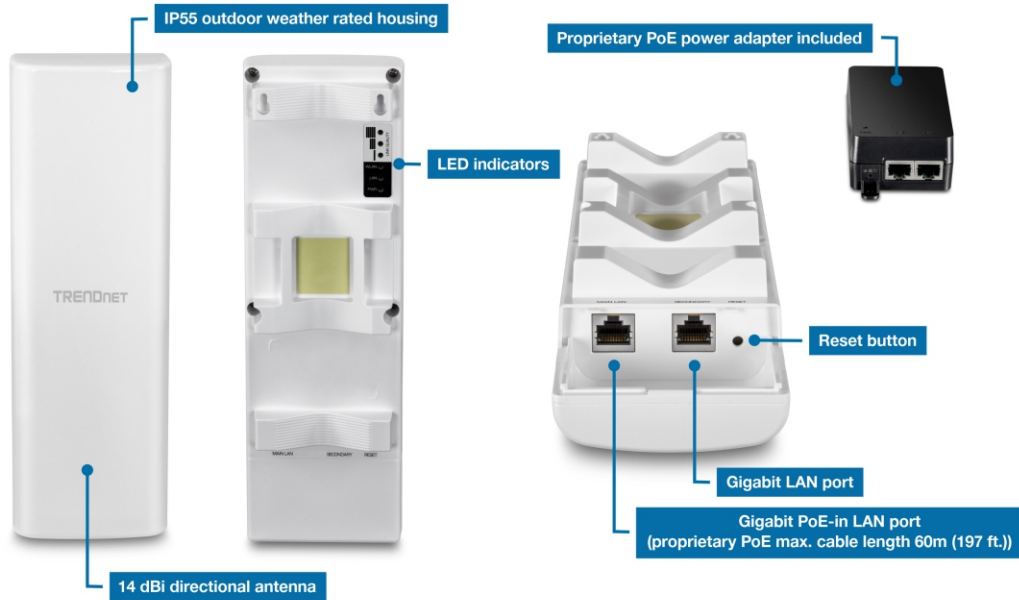

PoE Power Adapters

Included proprietary PoE power adapters provide power and data over a single Ethernet cable with a maximum distance of 60m (197 ft.).

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

IP55 outdoor weather rated housing

Proprietary PoE power adapter included

LED indicators

Reset button

Gigabit LAN port

Gigabit PoE-in LAN port
(proprietary PoE max. cable length 60m (197 ft.))

14 dBi directional antenna

TEW-940APBO

TEW-940APBO

TRENDnet®

FEATURES

Preconfigured Kit
Reduce installation and setup time with this preconfigured and pre-encrypted outdoor long-range WiFi 6 access points

WiFi 6 AX1200 (5GHz)
Compliant with 802.11ax/n/ac 5GHz technology with data rates up to 1.2Gbps*

Outdoor Rated
Outdoor WiFi 6 bridge kit features durable enclosure with an IP55 outdoor weather rating

Directional Antennas
Built-in 14 dBi directional antennas

PoE Power Adapters
Proprietary PoE power adapters included

Mounting Hardware
Pole and wall mount hardware included

LED Indicators
LEDs on the outdoor WiFi 6 bridge kit convey 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

Weight
- 598g (21.09 oz.) per access point

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

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

Certifications
- FCC

TRENDnet

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

Warranty

- 3 year

Dimensions

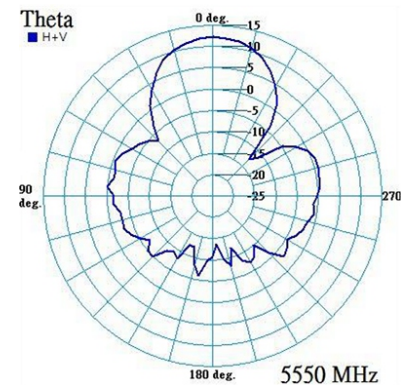- 82 x 257 x 50mm (7.3 x 3.9 x 1.4 in.) per access point

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
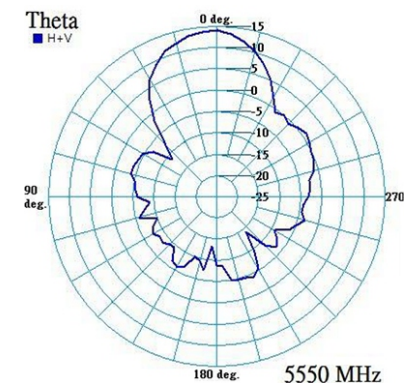
Package Contents

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

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.