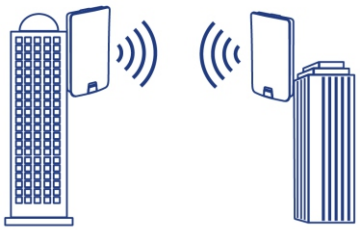
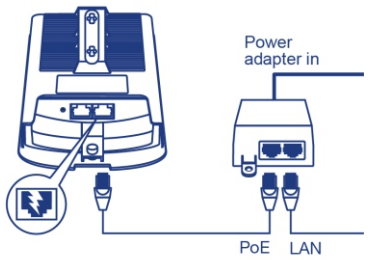
14 dBi WiFi AC867 Outdoor PoE Preconfigured Point-to-Point Bridge Kit

TEW-840APBO2K (v1.0R)

- 5GHz WiFi AC867 point-to-point bridge kit
- Includes two preconfigured TEW-840APBO access points
- 14 dBi directional antennas
- Supports Access Point, WDS Bridge, WDS Access Point, WDS Station, and Client Bridge modes
- Proprietary PoE power adapters included
- IP56 outdoor weather rated housing
- 1 x Gigabit PoE (in) port, and 1 x Gigabit port

TRENDnet's 14 dBi WiFi AC867 Outdoor PoE Preconfigured Point-to-Point Bridge Kit, model TEW-840APBO2K, provides long-range wireless AC867 point-to-point connectivity.This preconfigured outdoor WiFi bridge kit provides installers the simplest way to create a long-distance wireless point-to-point bridge. The outdoor WiFi bridge kit conveniently links two locations together with wireless AC speed and performance. The IP56 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.

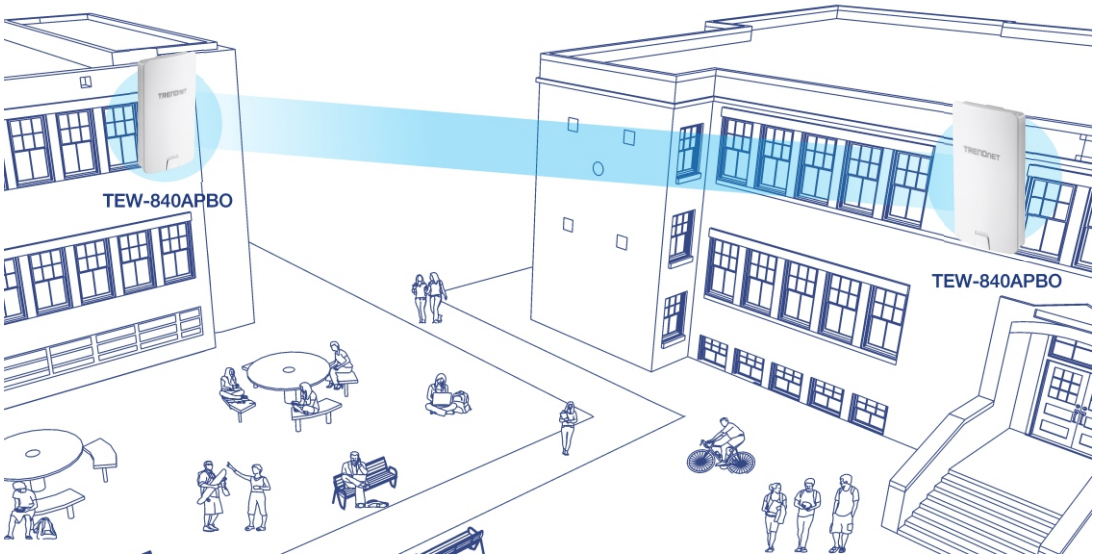
PoE Power Adapters

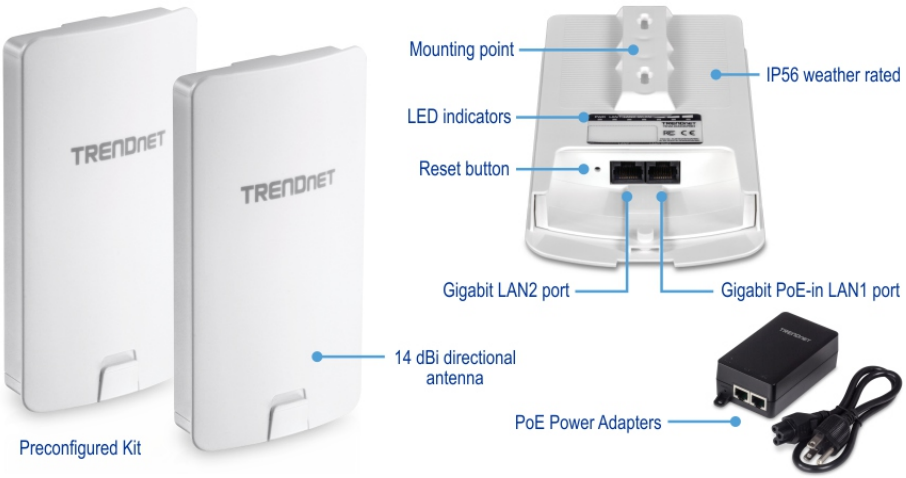
Included proprietary PoE power adapters provide power and data over a single Ethernet cable with a maximum distance of 60m (197 ft.).

Outdoor Ready

Built for outdoor environments with an IP56 weather rating, and an operating temperature range of -10° – 60° C (14° – 140° F).

NETWORKING SOLUTION





FEATURES

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

WiFi AC867 (5GHz)
Compliant with 802.11a/n/ac 5GHz technology with data rates up to 867Mbps*

Outdoor Rated
Outdoor WiFi bridge kit features durable enclosure with an IP56 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 convey wireless link quality

SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.1d
- IEEE 802.1Q VLAN
- IEEE 802.1X network based authentication
- IEEE 802.11d
- IEEE 802.11e
- IEEE 802.11h
- IEEE 802.11i
- IEEE 802.11a
- IEEE 802.11r
- IEEE 802.11k
- IEEE 802.11n (5GHz up to 300Mbps @ 64QAM)
- IEEE 802.11ac Wave 2 MU-MIMO (5GHz up to 867Mbps @ 256QAM)

Hardware Interface
- 1 x Gigabit PoE-in LAN1 port (proprietary PoE max. cable length 60m (197 ft.))
- 1 x Gigabit LAN2 port
- LED indicators
- Reset button

Special Features
- IP56 weather rated
- 802.1Q VLAN
- WiFi scheduling
- Scheduled auto reboot
- CSMA/TDMA support
- Preconfigured point-to-point bridge kit

Access Control
- Wireless AP mode encryption: WPA2-PSK, WPA2-Enterprise
- Wireless WDS bridge mode encryption (CSMA): WEP, AES
- Wireless WDS AP/Station encryption (CSMA/TDMA): WPA2-PSK, WPA2-Enterprise
- Access Controls: MAC (AP & WDS AP mode only), Layer 2 isolation, client Isolation
- Client limit
- Bandwidth limit (download/upload) per SSID or per client
- RSSI Threshold

QoS
- WMM

Operation Modes
- Access Point (AP)
- WDS Access Point
- WDS Bridge (CSMA mode only)
- WDS Station
- Client Bridge

SSID
- Up to 7 SSIDs
- 802.1Q VLAN assignment per SSID

Management/Monitoring
- Web management (HTTP)
- CLI management (Telnet, SSHv2)
- SNMP v2c/v3
- IPv4 (DHCP/static IP), IPv6 (link-local, static IP, DHCPv6) assignment
- Email alert
- Upgrade firmware
- Backup/restore configuration
- Internal logging
- External syslog
- Scheduled automatic reboot
- Restore to factory defaults
- Ping test
- Traceroute
- Nslookup
- NTP
- Management VLAN ID
- Schedule radio on/off per SSID
- Real time traffic monitor
- Real time CPU load monitor
- Device discovery (Point to point AP connections only)
- Speed test (Point to point AP connections only)
- LED control

Frequency
- FCC: 5.150GHz – 5.250GHz, 5.725GHz – 5.850GHz

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

Modulation

- 802.11a: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n (5GHz): BPSK, QPSK, 16-QAM, 64-QAM with OFDM
- 802.11ac: OFDM with BPSK, QPSK and 16/64/256-QAM

Media Access Protocol

- CSMA/CA with ACK mode
- TDMA (Point to point AP connections only)

Antenna Gain

- 14 dBi internal patch antenna

Wireless Output Power (max output power without antenna gain)

- 802.11a: FCC: 23 dBm (max.)
- 802.11n (5GHz): FCC: 22 dBm (max.)
- 802.11ac: FCC: 22 dBm (max.)
- Receiving Sensitivity (per chain)
- 802.11a: -71 dBm (typical) @ 54Mbps
- 802.11n (5GHz): -66 dBm (typical) @ 300Mbps
- 802.11ac: -55 dBm (typical) @ 867Mbps

Power

- Input: 100 – 240V AC, 50/60Hz, 0.4A
- Output: 24V DC, 0.6A proprietary/passive PoE injector
- Max. Consumption: 9.5W

Surge Protection

- Line to ground: 2kV

ESD Protection

- Contact: 4kV
- Air: 8kV

Operating Temperature

- -22° - 60° C (-7.6° - 140° F)

Operating Humidity

- Max. 90 % non-condensing

Certifications

- FCC

Dimensions

- 185 x 100 x 35mm (7.3 x 3.9 x 1.4 in.) per access point

Weight

- 268g (0.6 lbs.) per access point

Warranty

- 3 year

Package Contents

- 2 x TEW-840APBO
- Quick Installation Guide
- Proprietary/Passive PoE injectors (24V DC, 0.6A)
- Mounting hardware

* 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.

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.

20675 Manhattan Place • Torrance • CA 90501 • USA • T: 1-888-326-6061 • F: 1-310-961-5511 • sales@trendnet.com • www.TRENDnet.com

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