



## 10 dBi Wireless N300 Outdoor PoE Access Point

TEW-740APBO (v3.0R)

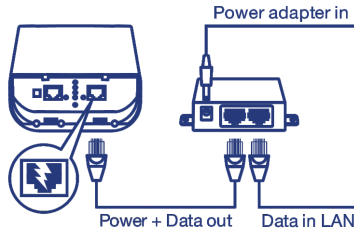
- Wireless N300 point-to-point networking (2.4 GHz)
- Supports Access Point (AP), Wireless Distribution System (WDS), Client Bridge + AP, Wireless ISP (WISP) + AP, CPE + AP, and control AP (CAP) modes
- Built-in 10 dBi directional antenna
- Proprietary PoE power adapter included
- 1 x 10/100Mbps PoE-in port, and 1 x 10/100Mbps port

TRENDnet's 10 dBi Outdoor PoE Access Point, model TEW-740APBO, provides wireless N300 point-to-point connectivity. A variety of installation scenarios are facilitated with Access Point (AP), Wireless Distribution System (WDS), Client Bridge + AP, Wireless ISP (WISP) + AP, CPE + AP, and control AP (CAP) modes. The IP56 rated housing comes with wall and pole mounting hardware.



### Point-to-Point Bridge

The outdoor wireless access point supports reliable, high-speed wireless N300 point-to-point networking (2.4GHz).



### PoE Power Adapter

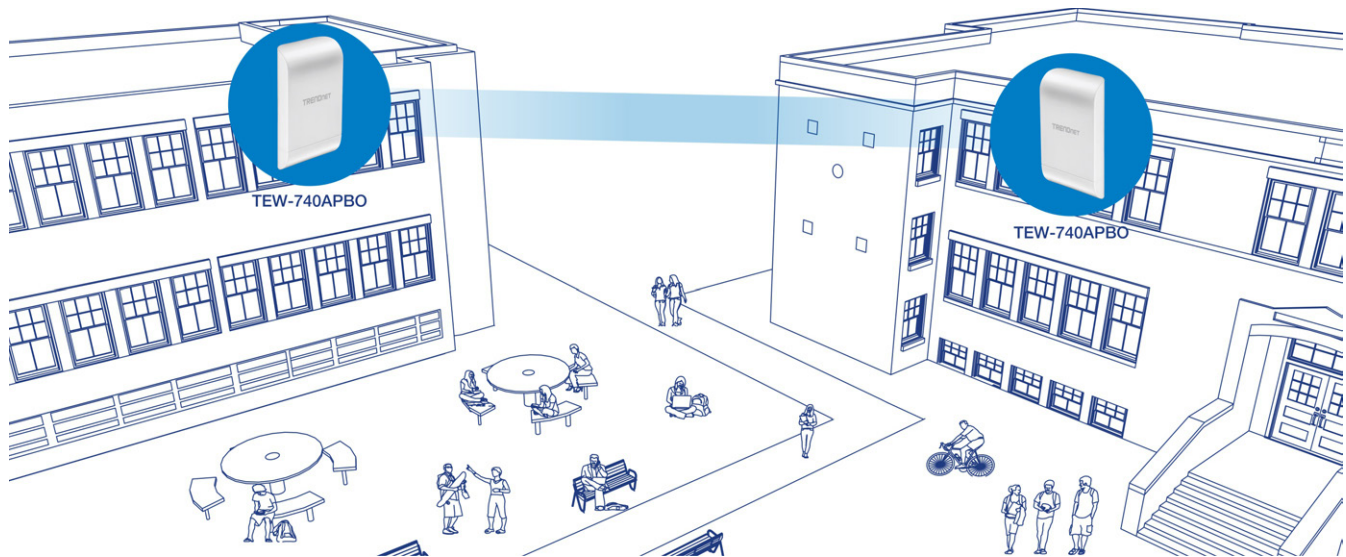
Included passive PoE injector provides power and data over a single Ethernet cable with a maximum distance of 60m (197 ft.).



### Outdoor Ready

Durable enclosure with an IP56 outdoor weather rating, and an operating temperature range of -22° – 60° C (-7.6° – 140° F).

## NETWORKING SOLUTION



## FEATURES



### Wireless Modes

Supports Access Point (AP), Wireless Distribution System (WDS), Client Bridge + AP, Wireless ISP (WISP) + AP, CPE + AP, and control AP (CAP) modes



### Wireless N300 (2.4 GHz)

Compliant with 802.11b/g/n technology (2.4 GHz) with data rates up to 300Mbps\*



### Outdoor Rated

Durable enclosure with an IP56 outdoor weather rating, and an operating temperature range of -22° – 60° C (-7.6° – 140° F)



### Directional Antenna

Built-in 10 dBi directional antenna



### PoE Power Adapter

Included passive PoE injector provides power and data over a single Ethernet cable with a maximum distance of 60m (197 ft.)



### Logs

Real time logs and statistics help troubleshooting



### Encrypted Wireless

Support for wireless encryption of up to WPA2



### Multiple SSID

Create up to six additional SSIDs



### Mounting Hardware

Pole and wall mount hardware included



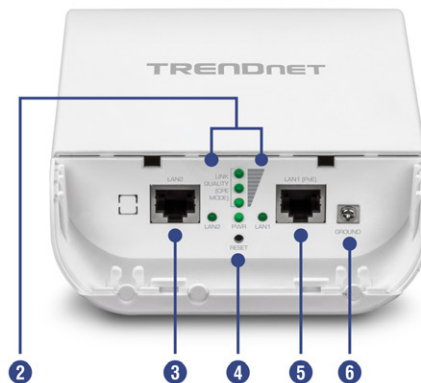
### Compatibility

Compatible with legacy wireless devices



### LED Indicators

LEDs convey wireless link quality in WISP mode



- 1 Outdoor rated
- 2 LED indicators
- 3 10/100 Mbps port
- 4 Reset button
- 5 10/100 Mbps PoE port
- 6 Grounding Point

# SPECIFICATIONS

## Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.1d
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1X
- IEEE 802.11d
- IEEE 802.11e
- IEEE 802.11f
- IEEE 802.11h
- IEEE 802.11i
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11k
- IEEE 802.11n (2.4GHz up to 300Mbps)
- IEEE 802.11r

## Hardware Interface

- 1 x 10/100Mbps LAN1 port (proprietary PoE max. cable length 60m (197 ft.))
- 1 x 10/100Mbps LAN2 port
- LED indicators
- Reset button
- Grounding Point

## Special Features

- IP56 weather rated
- 802.1Q VLAN assignment per SSID
- Schedule radio on/off time policy
- 802.11r / 802.11k fast roaming

## Access Control

- Wireless encryption: WPA/WPA2-PSK, WPA/WPA2-Enterprise, 802.1X
- Firewall (CPE Mode): NAT, Virtual Server, DMZ Host, PPTP/L2TP/IPsec VPN Passthrough
- Access Controls: MAC, IP Filter, Layer 2 Client Isolation, Per-SSID client limiting
- 802.1Q VLAN
- OAuthentication 2.0 / Walled Garden for guest authentication
- Customizable captive portal for guest authentication

## QoS

- WMM

## Media Access Protocol

- CSMA/CA with ACK

## Operation Modes

- Access Point (AP)
- Access Point (AP) + WDS
- Wireless Distribution System (WDS)
- WISP (CPE) + AP
- Client Bridge + AP
- Router
- Control AP (CAP)

## SSID

- Up to 7 SSIDs

## Internet Connection Types (WISP (CPE) + AP & Router modes)

- Dynamic IP (DHCP)
- Static IP (Fixed)
- PPPoE (Dynamic IP/Static IP)
- PPTP (Dynamic IP/Static IP)

## Management/Monitoring

- Local/remote web based management (HTTP, HTTPS)
- Local/remote CLI based management (Telnet, SSH)
- SNMP v2c/v3
- SNMP Trap
- Upgrade firmware
- Backup/restore configuration
- Event logging
- Authentication log
- Reboot
- Restore to factory defaults
- Ping test
- Traceroute
- LED Control

## Frequency

- FCC: 2.412 - 2.462GHz
- ETSI: 2.412 – 2.472GHz
- IC: 2.412 - 2.462GHz

## Wireless Channels

- FCC: 1-11
- ETSI: 1-13

## Modulation

- 802.11b: DBPK, DQPSK, CCK with DSSS
- 802.11g/n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM

## Antenna Gain

- 10 dBi internal sector antenna

## Wireless Output Power

- 802.11b: FCC: 26 dBm (max.) / CE: 10.4 dBm (max.) / IC: 26 dBm (max.) @ 11Mbps
- 802.11g: FCC: 25 dBm (max.), CE: 10.5 dBm (max.) / IC: 25 dBm (max.) @ 54Mbps
- 802.11n: FCC: 28 dBm (max.), CE: 10.6 dBm (max.) / IC: 28 dBm (max.) @ 150Mbps
- 802.11n: FCC: 27 dBm (max.), CE: 10.6 dBm (max.) / IC: 27 dBm (max.) @ 300Mbps

## Receiving Sensitivity

- 802.11b: -88 dBm (typical) @ 11Mbps
- 802.11g: -74 dBm (typical) @ 54Mbps
- 802.11n: -71 dBm (typical) @ 150Mbps
- 802.11n: -69 dBm (typical) @ 300Mbps

## Power

- Input: 100 – 220V AC, 50/60Hz, 0.5A
- Output: 12V DC, 1A proprietary/passive PoE injector
- Max. Consumption: 6.6W

## Operating Temperature

- -22° – 60° C (-7.6° – 140° F)

## Operating Humidity

- Max. 99% non-condensing

## Certifications

- FCC
- CE
- IC

## Dimensions

- 195 x 118 x 61 mm (7.6 x 4.6 x 2.4 in.)
- Weight
- 304g (10.7 oz.)

## Warranty

- 3 year

## Package Contents

- TEW-740APBO
- Quick Installation Guide
- Power adapter (12V DC, 1A)
- Proprietary/Passive PoE injector
- Grounding wire
- 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.

\*\* For optimal PoE distance from the PoE injector to the wireless access point, it is recommended to use a Cat 5e or better solid wire cable and connect the injector's power supply directly to a power outlet. Avoid using a power strip or surge protector.

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Updated: 7/9/2020