



10 dBi Wireless N300 Outdoor PoE Access Point

TEW-740APBO (v2.0R)

- 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
- IPX6 outdoor weather rated housing
- Built-in 10 dBi directional antenna

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 IPX6 rated housing comes with wall and pole mounting hardware.



Wireless Distribution System (WDS)



Point-to-Point Bridge

Wireless N300 point-to-point networking (2.4 GHz)

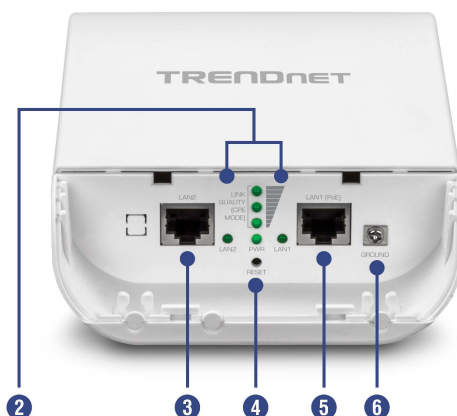
Installation Flexibility

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

Outdoor Ready

Durable enclosure with an IPX6 outdoor weather rating

Networking Solution



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



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 300 Mbps*



Outdoor Rated

Durable enclosure with an IPX6 outdoor weather rating



Directional Antenna

Built-in 10 dBi directional antenna



PoE Power Adapter

Proprietary PoE power adapter included



Logs

Real time logs and statistics help troubleshooting



Encrypted Wireless

Support for wireless encryption of up to WPA2



Multiple SSID

Create up to eight 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

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 802.11n (2.4 GHz up to 300 Mbps)
- IEEE 802.11r
- IEEE 802.11k

Hardware Interface

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

Special Features

- IPX6 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
- Authentication 2.0 / Walled Garden for guest authentication
- Customizable captive portal for guest authentication

QoS

- WMM

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

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

Media Access Protocol

- CSMA / CA with ACK

Antenna Gain

- 10 dBi internal sector antenna

Wireless Output Power / Receiving Sensitivity

- 802.11b: FCC / ETSI: FCC: 28 dBm (max.), ETSI: 10.4 dBm (max.), IC: 28 dBm (max.) / -88 dBm (typical) @ 11 Mbps
- 802.11g: FCC / ETSI: FCC: 26 dBm (max.), ETSI: 10.5 dBm (max.), IC: 26 dBm (max.) / -74 dBm (typical) @ 54 Mbps
- 802.11n: FCC / ETSI: FCC: 26 dBm (max.), ETSI: 10.6 dBm (max.), IC: 26 dBm (max.) / -69 dBm (typical) @ 300 Mbps

Power

- Input: 100 – 220 V, 50 - 60 Hz, 0.5 A
- Output: 12V / 1A
- Consumption: 13.5 Watts Max.

Operating Temperature

- -20 - 60° C (-4 - 140° F)

Operating Humidity

- Max. 99 % non-condensing

Certifications

- CE
- FCC

Dimensions

- 195 x 118 x 61 mm (7.6 x 4.6 x 2.4 in.)

Weight

- 320 g (0.7 lbs.)

Warranty

- 3 year limited

Package Contents

- TEW-740APBO
- CD-ROM (User's Guide)
- Quick Installation Guide
- Power adapter (12 V DC, 1 A)
- Proprietary 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.

