



## 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)

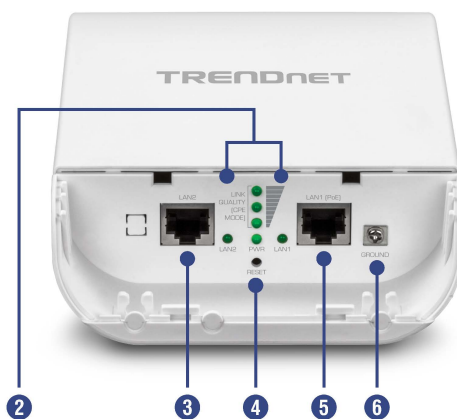
### Installation Flexibility

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.

