TRENDnet®

N300 Outdoor PoE Access Point
TEW-739ABPO (v1.0R)

• Blanket outdoor Wireless N300 coverage (2.4 GHz band)

• Supports Access Point (AP), Wireless Distribution System (WDS), Repeater, and CPE + AP modes

• IP67 rated aluminum housing

• Required antennas sold separately*

• Wall and pole mounting hardware

TRENDnet's N300 Outdoor PoE Access Point, model TEW-739APBO, provides blanket outdoor Wireless N300. A variety of installation scenarios are facilitated with Access Point (AP), Wireless Distribution System (WDS), Repeater, and CPE + AP modes. The rugged aluminum IP67 rated housing comes with wall and pole mounting hardware. Antennas, sold separately, are required in order to function*.

Performance

Antennas

Antennas, sold separately, are required in order to function—model TEW-AO57 or TEW-AO46S

Multi-Mode Support

Supports Access Point (AP), Wireless Distribution System (WDS), Repeater, and CPE + AP modes

N300 Wireless (2.4 GHz)

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

Outdoor Rated

Durable aluminum enclosure with an IP67 outdoor weather rating

Power over Ethernet (PoE)

Comes with a proprietary PoE injector, so that it can connect a regular non-PoE switch

Logs

Real time logs and statistics help troubleshooting

Encrypted Wireless

Support for wireless encryption of up to WPA2

Multiple SSIDs
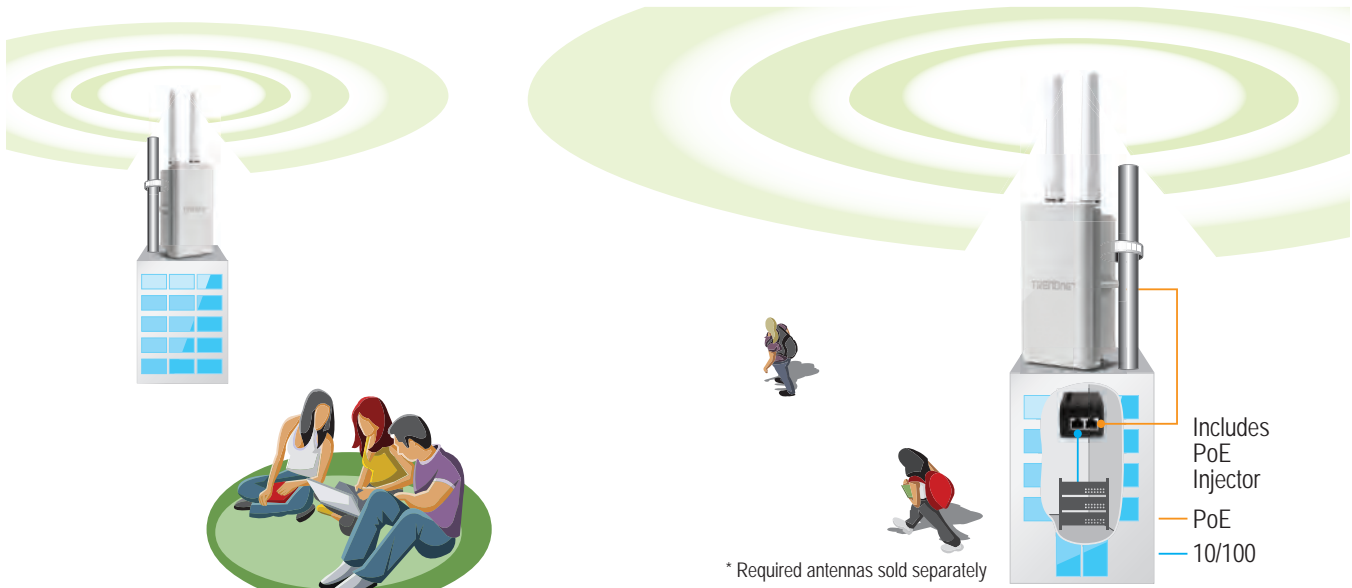
Create up to seven additional SSIDs

Compatibility

Compatible with legacy wireless devices

Mounting Hardware

Pole and wall mounting hardware included

Networking Solution

Includes PoE Injector

PoE

10/100

* Required antennas sold separately

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)

Hardware Interface

- 1 x 10/100 Mbps (proprietary PoE) port**
- 2 x N-Type (female) antenna connector (required antennas sold separately*)
- Reset button
- Grounding point
- LED indicators

Special Features

- IP67 weather rated
- 802.1Q VLAN assignment per SSID
- DDNS support for dyn.com, dhs.org, osd, tzo.com
- Schedule radio on/off time policy

Access Control

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- 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

QoS

- WMM
- Diffserv (DSCP)/ToS
- 802.1p/CoS

Operation Modes

- Access Point (AP)
- Wireless Distribution System (WDS)
- Repeater
- CPE + AP (WISP)

SSID

- Up to 8 SSIDs

Internet Connection Types (CPE mode)

- 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 v1/v2c/v3
- SNMP Trap
- MIB II
- Upgrade firmware
- Backup/restore configuration
- Event logging
- Reboot
- Restore to factory defaults
- Ping test
- Ping Watchdog

Routing (CPE mode)

- Static
- Dynamic (RIP v1/2, OSPF)

Frequency

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

Wireless Output Power/Receiving Sensitivity

- 802.11b: FCC/ETSI: FCC: 24 dBm (max.), ETSI: 14 dBm (max.)/-88 dBm (typical) @ 11 Mbps
- 802.11g: FCC/ETSI: FCC: 24 dBm (max.), ETSI: 14 dBm (max.)/-74 dBm (typical) @ 54 Mbps
- 802.11n: FCC/ETSI: FCC: 24 dBm (max.), ETSI: 14 dBm (max.)/-69 dBm (typical) @ 300 Mbps

Power

- Input: 100 – 220 V, 50 - 60 Hz, 0.6 A
- Output: 48 V, 0.5 A

Updated: 01/12/17

• Consumption: 22 Watts (max.)

Operating Temperature

• -30 - 60° C (-22 - 140° F)

Operating Humidity

• Max. 99 % non-condensing

Certifications

• CE
• FCC

Dimensions

• 215 x 122 x 66 mm (8.5 x 4.8 x 2.6 in.) (not including mounting bracket)

Weight

• 0.8 kg (1.8 lbs.)

Warranty

• 3 year limited

Package Contents

• TEW-739APBO
• CD-ROM (User's Guide)
• Multi-Language Quick Installation Guide
• Mounting hardware
• Proprietary PoE injector
• Water-proof RJ-45 plug (Network cable not included)
• Power adapter (48 V, 0.5 A)
• Grounding wire

* Effective wireless coverage may vary depending on the wireless device's output power, antenna gain, antenna align-ment, 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.

**Recommended max. PoE cable length of 70 m

Related Products

TEW-AO46S	4/6 dBi Surge Outdoor Dual Band Omni Antenna Kit
TEW-AO57	5/7 dBi Outdoor Dual Band Omni Antenna Kit