TRENDnet's 10 dBi Outdoor PoE Access Point, model TEW-738APBO, provides Wireless N300 building-to-building connectivity. 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.
Performance

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

Wireless N300 (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

Directional Antenna
Built in 10 dBi directional antenna

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 mount hardware included

Networking Solution

Wireless Internet Service (CPE Mode)

Building-to-Building (WDS Mode)

Includes PoE Injector
PoE 10/100

WISP Tower
Specifications

**Standards**
- **IEEE 802.3**
- **IEEE 802.3u**
- **IEEE 802.1d**
- **IEEE 802.1p**
- **IEEE 802.1Q**
- **IEEE 802.1X**
- **IEEE 802.11a**
- **IEEE 802.11b**
- **IEEE 802.11g**
- **IEEE 802.11n (2.4GHz up to 300 Mbps)**

**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**
- 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

**Antenna Gain**
- 10 dBi internal sector antenna

**Wireless Output Power/Receiving Sensitivity**
- 802.11b: FCC/ETSI: FCC: 28 dBm (max.), ETSI: 10.6 dBm (max.) -8 dBm (typical) @ 11 Mbps
- 802.11g: FCC/ETSI: FCC: 27 dBm (max.), ETSI: 10.7 dBm (max.) -74 dBm (typical) @ 54 Mbps
- 802.11n: FCC/ETSI: FCC: 28 dBm (max.), ETSI: 10.7 dBm (max.) - 69 dBm (typical) @ 300 Mbps

**EIRP**
- FCC: up to 38 dBm (with built in 10 dBi antenna)
- ETSI: up to 20 dBm (with built in 10 dBi antenna)

**Power**
- Input: 100 – 220 V, 50 - 60 Hz, 0.6 A
- Output: 48 V, 0.5 A
- 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-738APBO
- 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 (48V, 0.5A)

* 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.

**Recommended max. PoE cable length of 70 m.**