9 dBi Outdoor PoE Access Point

TEW-730APO (v1.0R)

- Wireless N300 building-to-building networking (2.4 GHz)
- Fat AP, Thin AP, Virtual Access Control (AC), and Virtual AC + Thin AP modes
- Fat AP supports AP, WDS Bridge, WDS Repeater, Client, and CPE + AP modes
- Built-in 9 dBi directional antenna
- IP55 rated housing

TRENDnet's 9 dBi Outdoor PoE Access Point, model TEW-730APO, provides wireless N300 (2.4 GHz) building-to-building connectivity. It supports Fat AP, Thin AP, Virtual Access Control (controls compatible Thin AP devices), and Virtual AC + Thin AP modes. Fat AP mode supports a variety of installation scenarios with Access Point (AP), WDS Bridge, WDS Repeater, Client, and CPE + AP modes. The rugged IP55 rated TEW-730APO comes with a proprietary PoE injector and a pole mounting kit.

Building-to-Building

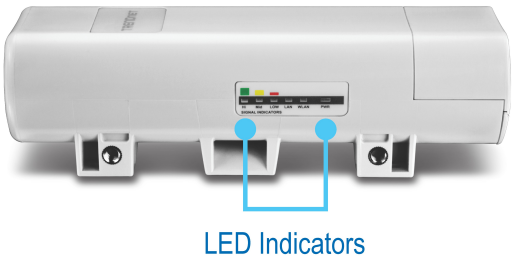
An integrated 9 dBi directional antenna, WiFi N300, and an included PoE injector facilitate building-to-building networking.

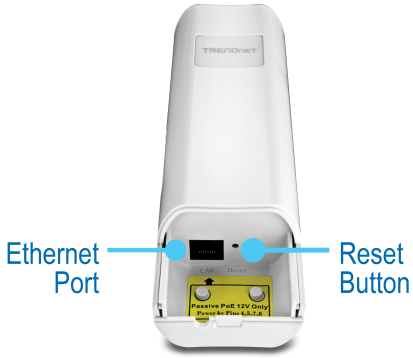
Installation Flexibility

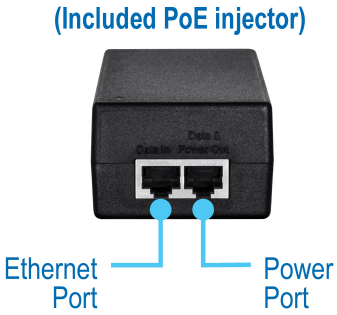
A variety of installation scenarios are supported with Access Point (AP), WDS Bridge, WDS Repeater, Client, and CPE + AP modes.

Outdoor Ready

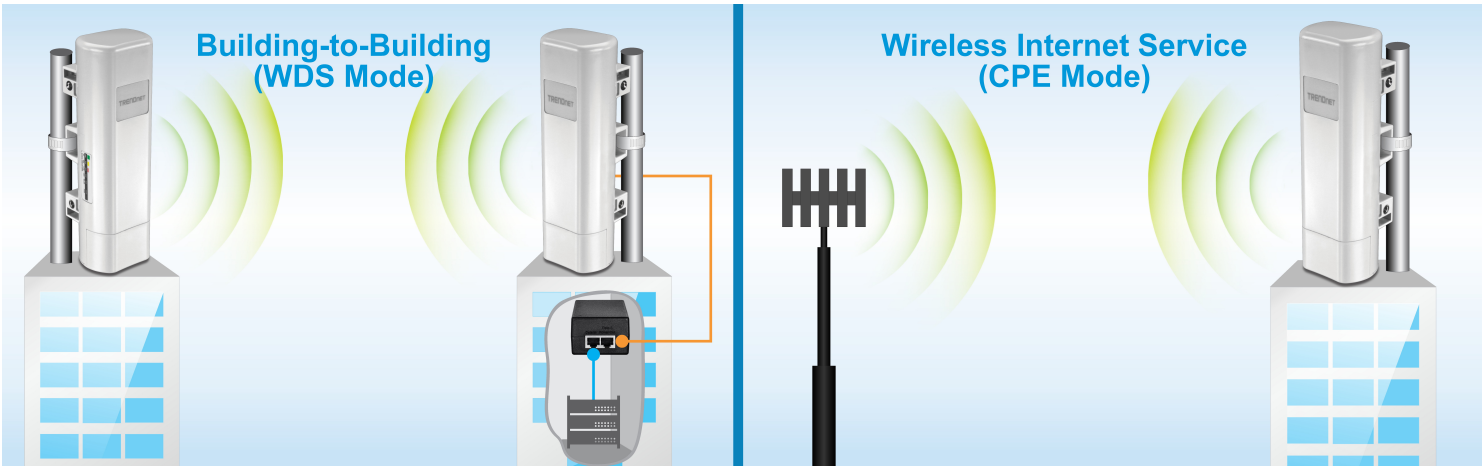
Built for protected outdoor locations with an IP55 weather rating and an operating temperature range of -20 – 70 °C (-4 – 158 °F).







Networking Solution



Multi-Mode Support
Supports Fat AP, Thin AP, Virtual Access Control (controls compatible Thin AP devices), and Virtual AC + Thin AP modes

Fat AP Mode
Fat AP mode supports a variety of installation scenarios with Access Point (AP), WDS Bridge, WDS Repeater, Client, and CPE + AP modes

Thin AP Mode
Thin AP mode supports management of the TEW-730APO by another device (such as another TEW-730APO set to Virtual Access Control) and Thin AP supports Access Point (AP) mode

Virtual Access Control (AC) Mode
Virtual Access Control mode manages other compatible access points set to Thin AP

Wireless N300 (2.4 GHz)
Compliant with 802.11n/g/b technology (2.4 GHz spectrum) with data rates up to 300 Mbps

Directional Antenna
Built in 9 dBi directional antenna

Outdoor Rated
Durable enclosure with an IP55 outdoor weather rating

Power over Ethernet (PoE)
Comes with a PoE injector (non-802.3af compliant)

Logs
Real time logs and statistics help trouble shooting

Encrypted Wireless
Support for wireless encryption of up to WPA2

Compatibility
Compatible with 2.4 GHz legacy wireless devices

Mounting Hardware
Pole mounting hardware included

Specifications

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

Hardware Interface
- 1 x 10/100 Mbps (proprietary PoE) port**
- Reset button
- LED indicators
- Grounding point

Special Features
- IP55 weather rated
- 802.1Q VLAN assignment per SSID

Access Control
- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- Firewall (CPE Mode): NAT, Port Forwarding, DMZ Host
- Access Controls: MAC, IP Filter, Port Filter, Per-SSID client limiting
- 802.1Q VLAN

QoS
- WMM
- Traffic Shaping

Operation Modes
- Fat AP
- Thin AP
- Virtual AC
- Virtual AC + Thin AP

FAT AP Modes
- Access Point (AP)
- Client (Client + AP)
- CPE (Client + Bridge)
- WDS Bridge
- WDS Repeater

SSID
- Up to 8 SSIDs

Internet Connection Types (CPE mode)
- Dynamic IP (DHCP)
- Static IP (Fixed)
- PPPoE (Dynamic IP)

Management/Monitoring
- Local/remote web based management (HTTP, HTTPS)
- Local/remote CLI based management (Telnet, SSH)
- SNMP v2/v3
- CPE Management
- Upgrade firmware
- Backup/restore configuration
- Event logging
- Syslog
- Reboot
- Restore to factory defaults
- Ping test
- Ping Watchdog
- Trace Route
- STP
- STP forward delay
- Traffic Shaping
- MAC based access control

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

Antenna Gain
- 9 dBi internal directional antenna

Wireless Output Power/Receiving Sensitivity
- 802.11b: FCC/ETSI: FCC: 24 dBm (max.), ETSI: 11 dBm (max.)/ -85 dBm (typical) @ 11 Mbps
- 802.11g: FCC/ETSI: FCC: 22 dBm (max.), ETSI: 11 dBm (max.)/ -70 dBm (typical) @ 54 Mbps
- 802.11n: FCC/ETSI: FCC: 20.5 dBm (max.), ETSI: 9 dBm (max.)/ -62 dBm (typical) @ 300 Mbps

EIRP
- FCC: up to 33 dBm (with built in 9 dBi antenna)
- ETSI: up to 20 dBm (with built in 9 dBi antenna)

Power
- Input: 100 – 220 V, 50 – 60 Hz, 0.6 A
- Output: 24 V / 1 A Consumption: 12 Watts Max.

Operating Temperature
- -20 – 70° C (-4 – 158° F)

Operating Humidity
- Max. 95 % non-condensing

Certifications
- CE
- FCC

Dimensions
- 205 x 64 x 61 mm (8.1 x 2.5 x 2.4 in.)

Weight
- 0.8 kg (1.8 lbs.)

Warranty
- 3 year limited

Package Contents
- TEW-730APO
- CD-ROM (User's Guide)
- Quick Installation Guide
- Poll mounting hardware
- Proprietary PoE injector (24 V, 1 A)
- Power Cord
- 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

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