



## N150 Wireless Outdoor PoE Access Point

### TEW-715APO (v1.0R)

TRENDnet's N150 Wireless Outdoor PoE Access Point, model TEW-715APO, provides high speed building-to-building networking with its built in dual polarization directional 8dBi antenna. Install an omni-directional antenna (with a N-Type connector), such as TRENDnet's TEW-AO080 to provide blanket outdoor wireless coverage over a large area. A range of applications are facilitated with Access Point, Wireless Client, WDS, Bridge, CPE, and Repeater mode support.

A durable IP55 rated outdoor enclosure protects the device from inclement weather. Power for this unit is supplied by an included PoE injector, resulting in equipment and installation cost savings. Additional features include SNMP (v2c, v3), Spanning Tree, real time network activity tables, WPA / WPA2 encryption, MAC address filters, 16 virtual AP profiles, 802.1Q, 802.1X, mounting hardware, and GPS coordinate support.

## PRODUCT OVERVIEW

- Built in dual polarization directional 8dBi antenna
- Supports Access Point, Wireless Client, WDS, Bridge, CPE, and Repeater modes
- Supports an external omni-directional antenna with a N-Type connector (not included) for blanket outdoor wireless applications
- Outdoor IP55 weather rated enclosure
- Includes Power over Ethernet (PoE) injector
- Pole mount hardware included



## FEATURES

- 1 x 10/100 Mbps Auto-MDIX PoE LAN port
- 1 x PoE injector
- 1 x Reset button
- 1 x Reverse N-type connector for optional antenna installation (omni-directional or directional)
- LED indicators:
  - Power
  - LAN
  - WLAN: Red (good), Yellow (better), Green (best)
- Internal high powered 8 dBi dual polarization directional antenna
- IP55 weather rated housing
- High speed data rates of up to 150 Mbps based on IEEE 802.11n technology
- Compliant with IEEE 802.11b/g standards
- Supports Access Point (AP), Wireless Distribution System (WDS) / Bridge, Customer Premises Equipment (CPE), Wireless Client, and AP + Repeater modes
- Multiple SSID or Virtual Access Points (up to 16) with Layer 2 VLAN wireless client isolation
- Access restriction with MAC filtering
- Real time network activity tables
- GPS coordinate support
- 802.1Q support
- Universal Plug and Play (UPnP) for auto discovery and support for device configuration of Internet applications
- Complete wireless security with WPA / WPA2-RADIUS, WPA / WPA2-PSK, and WEP
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Easy setup via Web browser using Internet Explorer 6.0 or above, Firefox 2.0 or above, Chrome, Opera, and Safari
- Supports SNMP (v2c and v3), Telnet, SSH, and HTTP / HTTPS management
- Pole mounting hardware
- Electrical ground cable
- 3-year limited warranty

### **Speed and Distance References**

Please note that the following information concerning potential connection distances and speeds are for reference only. They are referenced from clear line of sight installations with no other potential sources of signal degradation. Every installation environment is unique. TRENDnet is not responsible for performance metrics that may vary from those referenced below.

- When networked to the same unit, this unit is rated for connecting over clear line-of-sight. Please note that these values are provided as a general guide to overall potential performance, and not as an indication of performance for your installation scenario.

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## SPECIFICATIONS

### HARDWARE

<b>Standards</b>	<ul style="list-style-type: none"><li>• Wired: IEEE 802.3u</li><li>• Wireless: IEEE 802.11b, IEEE 802.11g, Based on IEEE 802.11n technology</li></ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"><li>• Power</li><li>• LAN</li><li>• WLAN: Red (good), Yellow (better), Green (best)</li></ul>
<b>Antenna</b>	<ul style="list-style-type: none"><li>• 8 dBi directional antenna</li></ul>
<b>EXT (external antenna connector)</b>	<ul style="list-style-type: none"><li>• N -Type Male connector (up to 15 dBi)</li></ul>
<b>PoE</b>	<ul style="list-style-type: none"><li>• 12 V 1 x 10/100 Mbps RJ-45 PoE port, Passive only (non-802.3af compliant)</li></ul>
<b>Dimension (L x W x H)</b>	<ul style="list-style-type: none"><li>• 228 x 64 x 61 mm (9.0 x 2.5 x 2.4 in)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 340 g (12 oz)</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 12 watts (max.)</li></ul>
<b>Management</b>	<ul style="list-style-type: none"><li>• Web browser (HTTP/HTTPS), SNMP (v2c and 3), Telnet, SSH</li></ul>
<b>Waterproof</b>	<ul style="list-style-type: none"><li>• IP55 compliant</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: -20° ~ 70°C (-4°F ~ 158°F)</li><li>• Storage: -30° ~ 80°C (-22°F ~ 176°F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max 95% (non-condensing)</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• Passive PoE power injector DC Output: 12 V DC, 1 A Input: 100 ~240 V, ~50/60 Hz, 1A</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>

### WIRELESS

<b>Frequency</b>	<ul style="list-style-type: none"><li>• FCC: 2.412 ~ 2.452</li><li>• ETSI: 2.412 ~ 2.472</li></ul>
<b>Modes</b>	<ul style="list-style-type: none"><li>• Access Point, CPE, Wireless Client AP, AP + Repeater</li></ul>
<b>Virtual Access Points</b>	<ul style="list-style-type: none"><li>• 16</li></ul>
<b>Associated Clients (max)</b>	<ul style="list-style-type: none"><li>• 32 (AP Mode), 32 (Repeater Mode)</li></ul>
<b>Modulation Technique</b>	<ul style="list-style-type: none"><li>• OFDM, BPSK, QPSK, CCK, DQPSK, DBPSK</li></ul>
<b>Data Rate (auto-fallback)</b>	<ul style="list-style-type: none"><li>• 802.11b: up to 11 Mbps</li><li>• 802.11g: up to 54 Mbps</li><li>• 802.11n: up to 150 Mbps</li></ul>
<b>Security</b>	<ul style="list-style-type: none"><li>• 64/128/152-bit WEP, WPA / WPA2-PSK, WPA / WPA2-RADIUS for AP / CPE mode, WEP / WPA2-PSK for WDS mode</li><li>• MAC filter (32 entries)</li></ul>
<b>Output Power (Included 8 dBi antenna gain)</b>	<ul style="list-style-type: none"><li>• 802.11b: FCC (U.S.): 26 dBm (typical)/ETSI (EU): 19.93 dBm (max.)</li><li>• 802.11g: FCC (U.S.): 24 dBm (typical)/ETSI (EU): 19.96 dBm (max.)</li><li>• 802.11n: FCC (U.S.): 21 dBm (typical)/ETSI (EU): 19.98 dBm (max.)</li></ul>
<b>Receiving Sensitivity</b>	<ul style="list-style-type: none"><li>• 802.11b: -88 dBm (typical) @ 11 Mbps</li><li>• 802.11g: -73 dBm (typical) @ 54 Mbps</li><li>• 802.11n: -67 dBm (typical) @ 150 Mbps</li></ul>
<b>Channels</b>	<ul style="list-style-type: none"><li>• FCC: 1~11</li><li>• ETSI: 1~13</li></ul>

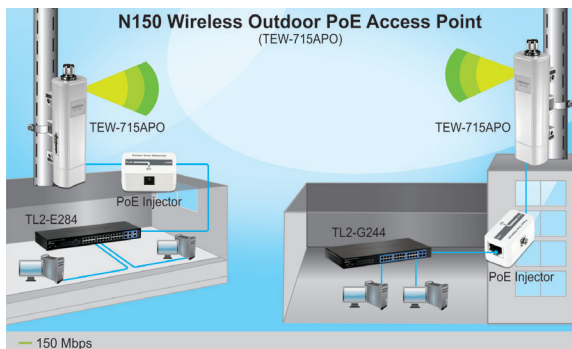
\* Effective wireless coverage may vary depending on the wireless device's output power, antenna gain, antenna alignment, receiving sensitivity, and radio interference. For optimal results, we recommended that you consult a professional installer for site survey, safety precautions, and proper installation.

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEW-715APO
- CD-ROM (User's Guide)
- Multi-Language Quick Installation Guide
- Mounting hardware
- Power adapter (12 V, 1 A)
- PoE injector
- Grounding wire

## RELATED PRODUCTS

TEW-676APBO	12 dBi N300 Wireless 5 GHz Outdoor PoE Access Point
TL2-E284	24-Port 10/100 Mbps Layer 2 Switch w/ 4 Gigabit Ports and 2 Shared Mini-GBIC Slots
TL2-G244	24-Port Gigabit Layer 2 Switch w/ 4 Shared Mini-GBIC Slots

## CONTACT INFORMATION



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