



12dBi N300 Wireless 5GHz Outdoor PoE Access Point TEW-676APBO (v1.0R)

The N300 Wireless 12dBi Outdoor 5GHz PoE Access Point, model TEW-676APBO, provides high speed point-to-point building connectivity. It supports a variety of installation scenarios with Access Point, Router Access Point, Wireless Distribution System (WDS), Customer Premises Equipment (CPE), and Repeater modes.

An IP-66/67 weather rating and rugged aluminum housing ensures the highest level of protection against extreme weather. An outdoor mounting kit is included and weatherproof LED indicators expedite product installation and troubleshooting.

No need to install this access point near a power source—PoE technology transmits both power and data over an Ethernet cable. Support for the latest wireless security protocols ensures the highest level of network protection. Install this access point with TRENDnet's Outdoor Lightning Arrestor Kit, model TEW-ASAL1, to protect your entire network from catastrophic lightning strikes.

PRODUCT OVERVIEW

- High speed wireless n building-to-building connections
- Supports Access Point, Router Access Point, Wireless Distribution System (WDS), Customer Premises Equipment (CPE), and Repeater modes
- IP-66/67 rated aluminum housing
- Powered by Power over Ethernet (PoE) technology



FEATURES

- PoE compliant device
- 1 x 10/100Mbps PoE Auto-MDIX LAN port
- 1 x reset button
- LED indicators: Power, WLAN, LAN
- Internal high powered 12dBi patch antenna (polarization: V30°, H30°)
- Compliant with 802.11n/a technology (5 GHz spectrum) with data rates up to 300Mbps
- Rugged IP66/67 rated weather proof aluminum housing
- Supports Router Access Point (AP), Access Point (AP), Wireless Distribution System (WDS), Customer Premises Equipment (CPE), Client Bridge + Repeater, and CPE + AP modes
- Multiple SSID or Virtual Access Points with Layer 2 VLAN client isolation
- Access restriction with Internet Access Control, MAC, and IP filtering
- 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
- Multiple pass-through sessions for popular VPN applications (IPSec, L2TP, and PPTP)
- Quality of Service technology: IEEE 802.11p COS, IEEE 802.11q Tag VLAN priority control and Wi-Fi Multimedia (WMM)
- Supports IEEE 802.11f IAPP (Inter Access Point Protocol), IEEE 802.11h (Transmission Power Control) and IEEE 802.11d (Multi-country roaming)
- Easy setup via Web browser using the latest versions of Internet Explorer, FireFox, and Safari
- Supports SNMP (v2c and v3), Telnet, SSH, and HTTP/HTTPS management
- Surface 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 distances of up to 7 km (4.3 miles).

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SPECIFICATIONS

HARDWARE

Standards	<ul style="list-style-type: none">• Wired: IEEE 802.3u (100Base-TX)• Wireless: IEEE 802.11a/n (5 GHz)
LED Indicator	<ul style="list-style-type: none">• Power, LAN, WLAN (wireless activity)
Antenna	<ul style="list-style-type: none">• 12dBi patch antenna (polarization: V30°, H30°)
PoE	<ul style="list-style-type: none">• 1 x 10/100Mbps RJ-45 PoE port, Passive only (non-802.3af compliant)
Dimension (L x W x H)	<ul style="list-style-type: none">• 215 x 122 x 66 mm (8.5 x 4.8 x 2.6 in)
Weight	<ul style="list-style-type: none">• 1kg (2.2lbs)
Power Consumption	<ul style="list-style-type: none">• 15 Watts (max.)
Management	<ul style="list-style-type: none">• Web browser (HTTP/HTTPS), SNMP (v2c and 3), Telnet, SSH
Wind Speed Support	<ul style="list-style-type: none">• 210 km/hr
Waterproof	<ul style="list-style-type: none">• IP66/67 compliant
Temperature	<ul style="list-style-type: none">• Operating: -20° ~ 60°C (-4°F ~ 140°F)• Storage: 0° ~ 60°C (32°F ~ 140°F)
Humidity	<ul style="list-style-type: none">• Max. 95% (non-condensing)
Power	<ul style="list-style-type: none">• PoE power injector DC output: 48VDC, 0.4A
Certifications	<ul style="list-style-type: none">• FCC

WIRELESS

Frequency	<ul style="list-style-type: none">• 5.725 ~ 5.845 GHz
Modes	<ul style="list-style-type: none">• Router, Access Point + WDS, WDS, CPE, Client Bridge + Repeater, CPE + Access Point
Virtual Access Points	<ul style="list-style-type: none">• 7
Associated Clients (max)	<ul style="list-style-type: none">• 224 (AP Mode), 32 (Repeater Mode)
*Coverage	<ul style="list-style-type: none">• 7km line-of-sight
Modulation Technique	<ul style="list-style-type: none">• 802.11a: OFDM with BPSK, QPSK, QAM and 64QAM• 802.11n: BPSK, QPSK, 16-QAM, 64-QAM
Data Rate (auto-fallback)	<ul style="list-style-type: none">• 802.11a: up to 54Mbps• 802.11a/n: up to 300Mbps
Security	<ul style="list-style-type: none">• 64/128/152-bit WEP, WPA /WPA2-PSK, WPA/WPA2-RADIUS for AP/CPE mode, WEP/WPA2-PSK for WDS mode• MAC filter (20 entries) and IP filter (20 entries)
Output Power	<ul style="list-style-type: none">• Up to 27dBm (FCC)
Receiving Sensitivity	<ul style="list-style-type: none">• 802.11a: -91dBm (typical) @ 6Mbps• 802.11a/n: -68dBm (typical) @ 300Mbps
Channels	<ul style="list-style-type: none">• FCC: 149,153,157,161,165

* 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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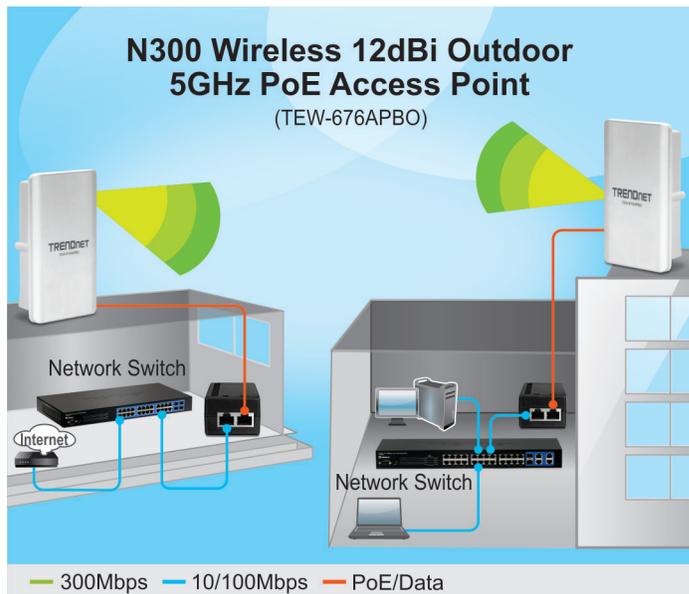
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NETWORKING SOLUTIONS

N300 Wireless 12dBi Outdoor 5GHz PoE Access Point

(TEW-676APBO)



PACKAGE CONTENTS

TEW-676APBO

CD-ROM (User's Guide)

Multi-Language Quick Installation Guide

Mounting hardware

PoE injector and power cord

Water-proof RJ-45 plug (Network cable not included)

Grounding wire

RELATED PRODUCTS

TEW-455APBO 14dBi High Power Wireless Outdoor PoE Access Point

TL2-E284 24-Port 10/100Mbps 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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