

Outdoor 300 Mbps 2T2R Wireless-N Access Point - 5GHz 802.11a/n PoE-Powered WiFi AP

Product ID: R300WN22OP5



The R300WN22OP5 Outdoor Wireless Access Point lets you create or extend the range of a 5GHz Wireless-N (300Mbps) network to an outdoor location, letting your wireless devices connect to your network with enhanced reliability and speed, with less network congestion.

By isolating your wireless network to a 5GHz frequency, your dual-band smartphone, tablet or laptop operates with less interference from other devices on common 2.4GHz networks. For ideal wireless coverage across large outdoor areas, the access point integrates into your existing Wireless A/N or wired network to broadcast a WiFi SSID via a high-power 600mW internal 14dBi 2T2R directional antenna.

This PoE-powered access point includes a passive Power-over-Ethernet injector, so it can be conveniently installed in locations where a typical power outlet is unavailable.

For versatile outdoor installation, the access point features a weather-resistant housing and is pole and wall-mountable for easier placement.

Supporting wireless data rates up to 300Mbps, the high-performance outdoor AP is compatible with 802.11a/n devices, offers support for WEP, WPA, and WPA2 authentication, incorporates switchable WISP or Bridged operation modes and is configurable through an easy-to-use web-based utility.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Create an outdoor Wireless-N access point from an existing wired or wireless connection to eliminate network dead spots and allow wireless devices to connect across large open spaces
- Use WDS (Wireless Distribution System) to mesh multiple Access Points together
- Connect your 5GHz capable smartphone or tablet to a Wireless A/N network for a stronger and more reliable WiFi connection
- Perfect for broadcasting a less congested 5GHz, 300Mbps Wireless-N network across industrial or educational environments

Features

- IEEE 802.11a/n (Wireless-N) compliant, with speeds up to 300 Mbps at 5GHz
- Weather-resistant pole and wall-mountable housing
- PoE-powered access point with included PoE injector and PoE pass-through
- Switchable operating modes, enabling you to choose between WiFi Access Point (AP) and wireless network Repeater functions
- Long-range internal 14dBi 2T2R dual polarization directional antenna
- Secondary LAN Port to connect an additional network device
- Supports WEP, WPA and WPA2 security with TKIP/AES encryption
- Integrated MAC address control and QoS support
- Built-in configuration utility (web-based)
- 8KV air, and 4KV contact ESD (Electrostatic Discharge) Protection, 2KV Lightning Protection

Hardware

Warranty	2 Years
Interface	Wireless Ethernet
Antenna Configuration	2x2:2 (TxR:S)
Industry Standards	IEEE 802.3, IEEE 802.3u IEEE 802.11a/n
Chipset ID	Atheros - AR9344

Performance

Maximum Data Transfer	300 Mbps
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Rate		
Max Distance		10 km (6.2 mi)
Bandwidth		20/40 MHz
Full Duplex Support		Yes
Frequency Range		5.180 ~ 5.825 GHz
Modulation		802.11a: BPSK, QPSK, 16QAM, 64QAM 802.11n: OFDM
Security Features		WEP Data Encryption TKIP/AES WPA and WPA2-PSK Data Encryption WPA and WPA2 Enterprise Data Encryption
Supported Protocols		CSMA/CA
Connector(s)		
Connector Type(s)		1 - Wireless N (IEEE 802.11n)
Internal Ports		2 - RJ-45
Special Notes / Requirements		
System and Cable Requirements		Available indoor AC electrical outlet Cat 5 (or better) network cabling from PoE Injector to Wireless AP and PoE Injector to LAN Switch/router (no more than 100m total)
Indicators		
LED Indicators		1 - Power 1 - WAN Link/Activity 1 - LAN Link/Activity 1 - Wireless Signal Strength
Power		
Power Source		AC Adapter Included

Input Voltage	100 - 240 AC
Input Current	1 A
Output Voltage	24 DC
Output Current	1 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	12

Environmental

Operating Temperature	-20C to 70C (-4F to 158F)
Storage Temperature	-30C to 70C (-22F to 158F)
Humidity	0~90% RH

Physical Characteristics

Color	White
Material	Plastic
Product Length	11.4 in [29.0 cm]
Product Width	3.5 in [9.0 cm]
Product Height	2.2 in [5.7 cm]
Weight of Product	11.5 oz [326.0 g]

Packaging Information

Package Quantity	1
Package Length	4.7 in [12.0 cm]
Package Width	13.3 in [33.7 cm]
Package Height	3.6 in [92.0 mm]
Shipping (Package) Weight	23.9 oz [678.0 g]

What's in the Box

Included in Package	1 - Outdoor Access Point
	1 - PoE Injector
	1 - Metal Hose Clamp
	1 - Power Adapter
	1 - Instruction Manual

Warranty Information

Warranty	2 Years
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**Product appearance and specifications are subject to change without notice.*