

IP67 Certified 2T2R 5GHz Outdoor Wireless-N Access Point - PoE-Powered 300Mbps 802.11a/n WiFi AP

**Product ID:** R300WN22MO5E



The R300WN22MO5E Outdoor Wireless Access Point lets you add 5GHz Wireless-N network coverage to an outdoor area, through a ruggedized industrial access point.

This outdoor access point features an IP67 certified, die-cast metal enclosure with heavy-duty cable grommets so it can withstand the outdoor elements and offers pole and wall-mounting options. Plus, the PoE-powered AP includes a passive Power-over-Ethernet injector, enabling you to install it in locations where a typical power outlet is unavailable. PoE pass-through via the secondary LAN port lets you connect data and power to a PoE-capable device near the access point.

By isolating your WiFi network to the 5GHz frequency, dual-band smartphones, tablets or laptops can operate with less interference from other devices than on the more common 2.4GHz band. For optimal wireless coverage, the AP broadcasts a signal through a high-powered 800mW internal 10dBi 2T2R antenna.

The device offers support for several different operating modes (AP, WDS and WISP), which help you to create a wireless network from a wired connection, bridge multiple APs together or extend the range of an existing wireless network. The AP supports Wireless-N data rates up to 300Mbps with security through WEP, WPA, or WPA2 authentication, all 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
- Use the secondary LAN port to deploy remote PoE-Powered devices such as switches or IP cameras

## Features

- IEEE 802.11a/n (Wireless-N) compliant with speeds up to 300 Mbps @ 5GHz
- Metal, IP67 certified pole and wall-mountable housing
- PoE-powered access point with included PoE injector and PoE pass-through
- Supports AP, WDS and WISP operating modes
- 800mW internal 10dBi 2T2R antenna
- Supports WEP, WPA and WPA2 security with TKIP/AES encryption
- Integrated MAC address control and QoS support
- Built-in configuration utility (web-based)
- +/-15kV air and +/-8kV contact ESD (Electrostatic Discharge) Protection

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### 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 IP67 certified
Chipset ID	Atheros - AR9342

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### Performance

Maximum Data Transfer Rate	300 Mbps
Max Distance	3.7 km (2.3 mi)



Bandwidth	20/40 MHz
Full Duplex Support	Yes
Frequency Range	5.500 ~ 5.805 GHz
Modulation	OFDM with BPSK, QPSK, 16-QAM and 64-QAM
Security Features	WEP Data Encryption TKIP/AES WPA and WPA2-PSK Data Encryption WPA and WPA2 Enterprise Data Encryption
Supported Protocols	CSMA/CA

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**Connector(s)**

Connector Type(s)	Wireless N (IEEE 802.11n)
Internal Ports	RJ-45

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**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)
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**Indicators**

LED Indicators	Wireless Signal Strength  Power  LAN Link / Activity
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**Power**

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	1 A
Output Voltage	48 DC
Output Current	0.5 A



Center Tip Polarity Positive

Plug Type N

Power Consumption (In Watts) 13.5

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**Environmental**

Operating Temperature -30C to 60C (-22F to 140F)

Storage Temperature -30C to 85C (-22F to 185F)

Humidity 100% RH Non-Condensing

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**Physical Characteristics**

Color Gray

Material Aluminum and Plastic

Product Length 6.3 in [16.1 cm]

Product Width 3.9 in [100 mm]

Product Height 2.3 in [58 mm]

Weight of Product 24.7 oz [700 g]

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**Packaging Information**

Package Length 14.0 in [35.5 cm]

Package Width 8.3 in [21.2 cm]

Package Height 3.4 in [86 mm]

Shipping (Package) Weight 2.8 lb [1.3 kg]

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**What's in the Box**

Included in Package Outdoor Wireless Access Point

PoE Injector

Pole Mounting Kit

Power Adapter



Quick Start Guide

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***\*Product appearance and specifications are subject to change without notice.***

