Rugged Outdoor Wireless-N Access Point - 5GHz - PoE Powered - Metal IP67

Product ID: R300WN22MOD5

Take wireless connectivity to the great outdoors - through rain, snow or other extreme conditions - with this IP67-certified wireless access point. Tough and dependable, the 5GHz wireless AP lets you create or extend your wireless coverage, using an existing wired or wireless network, to connect across large open spaces and maximize throughput in your Wi-Fi network.

Provide your visitors, clients or employees with reliable outdoor access to the Internet. Engineered with a die-cast metal housing, this weather-proof wireless AP has one of the industry's highest IP ratings. IP67 certified, it provides exceptional protection against water and dust, including water ingress protection for 30 minutes in up to 3 feet of water.

The outdoor AP is built to withstand extreme weather conditions and temperatures, with a wide operating range of -30 to 60C (-22 to 140F). Heavy-duty cable grommets and rubber gaskets seal the ports against moisture penetration during rainy or humid conditions.

This wireless access point is an effective way to create or expand your wireless network, with a range of up to 3.7 kms or 2.3 miles. It helps to eliminate dead spots, to maximize throughput and speed throughout the coverage area. You can connect two buildings several kilometers away from each other, to provide reliable Internet access.

The AP operates on the 5GHz frequency band, and allows wireless access for up to 32 clients simultaneously (802.11a/n). You can also set up multiple access points to provide reliable Wi-Fi access for additional clients at the same time. The 5GHz network is less congested and operates on a larger bandwidth, allowing for greater speeds than the 2.4 GHz band. With support for Wireless-N, the AP provides fast data transfer speeds of up to 300Mbps, ideal for streaming high definition video, voice and music.

With its robust performance and range, this AP supports wireless connections in numerous applications - for small and medium sized businesses, campuses, recreational facilities and backyard residential settings. It allows you to easily extend your wireless network to include outdoor meeting spaces, patios, cafes, green spaces, parking lots and adjacent buildings. Dust-tight and waterproof, the AP is also ideal for harsh indoor environments like warehouses, factories and other industrial settings.

For versatile use, the device provides four operating modes: Access Point (AP), Wireless Distribution System (WDS), Wireless Internet Service Provider (WISP) Bridge and Repeater, and Customer Premises Equipment (CPE) WISP

Bridge and Repeater. The WDS mode allows you to expand your wireless coverage by bridging multiple WDS access points together. Using the WISP mode, you can connect two LAN segments wirelessly. The CPE modes let you connect two LAN segments over a wired connection.

Since it's PoE powered, the outdoor wireless AP can be installed practically anywhere, with no need for a wall outlet. (A Power-over-Ethernet injector is included.) You can mount the AP on a pole or flush against a wall or soffit. PoE pass-through via the secondary LAN port lets you chain and power a secondary R300WN22MOD access point.

The Setup Wizard, a web-based configuration utility, makes it easy to get started and lets you customize your wireless network to your own needs. You can set-up up your security settings (including WEP, WPA, or WPA2 authentication), assign an SSID name and establish channel settings. You can even assign a traffic priority to specific devices such as HDTVs or gaming consoles. You can also deny network access at specified times.

The R300WN22MOD5 is 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 connect across large open spaces and eliminate network dead spots

• Bridge multiple APs together in a secure wireless network using WDS (Wireless Distribution System)

• Extend the range of your existing wireless network to include outdoor patios, meeting spaces or buildings several kilometers away

• Connect 5GHz capable smartphones or tablets to a wireless a/n network for a stronger and more reliable Wi-Fi connection

• Use the secondary LAN port to deploy remote PoE-Powered devices such as switches or IP cameras

Features

• IP67 die-cast metal enclosure ensures reliable Wi-Fi in harsh weather conditions

• Wide operating range of -30C to 60C (-22F to 140F) and withstands 100% humidity

• Supports Wireless-N data rates up to 300Mbps @ 5GHz

• Add or extend your wireless network to outdoor areas with a range up to 3.7 kms / 2.3 mi.

• Power over Ethernet for versatile installation with no need for a power outlet (PoE injector included)

• Supports Wireless Distribution System (WDS), Wireless Internet Service Provider (WISP) Bridge and Repeater mode, and Customer Premises Equipment (CPE) WISP Bridge and Repeater mode

• Compliant with 802.11a/n wireless and IEEE 802.3, IEEE 802.3u networks

• Pole and wall-mounting installation

• Internal 10dBi antenna

• 2x RJ45 connectors (WAN, LAN)

• Security features: TKIP/AES, WEP Data Encryption, WPA Data Encryption

• Built-in web-based configuration utility

• +/-15kV air and +/-8kV contact ESD (Electrostatic Discharge) Protection

• Integrated MAC address control and QoS support

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

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
	General Specifications	Maximum Clients: 32

	Supported Protocols	CSMA/CA

Connector(s)

	Connector Type(s)	Wireless N (IEEE 802.11n)
	Internal Ports	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	Wireless Signal Strength
		Power
		LAN Link / Activity

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

Environmental

	Operating Temperature	-30C to 60C (-22F to 140F)
	Storage Temperature	-30C to 85C (-22F to 185F)
	Humidity	100% RH Non-Condensing

Physical Characteristics

Color	Gray
Material	Aluminum and Plastic
Product Length	6.3 in [16.1 cm]
Product Width	3.9 in [100.0 mm]
Product Height	2.3 in [58.0 mm]
Weight of Product	24.7 oz [700.0 g]

Packaging Information

Package Length	14.0 in [35.5 cm]
Package Width	8.4 in [21.4 cm]
Package Height	3.4 in [87.0 mm]
Shipping (Package) Weight	2.8 lb [1.3 kg]

What's in the Box

Included in Package	Outdoor Wireless Access Point
	PoE Injector
	Pole Mounting Kit
	Power Adapter
	Quick Start Guide

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