Rugged Outdoor Wireless-N Access Point - 2.4GHz - PoE Powered - Metal IP67

Product ID: R300WN22MOD

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 2.4GHz 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.

Built to withstand extreme elements

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 60°C (-22° to 140°F). Heavy-duty cable grommets and rubber gaskets seal the ports against moisture penetration during rainy or humid conditions.

Reliable wireless performance and range

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 2.4GHz 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 2.4GHz network is the most common band, providing easy access for wide range of smartphones, tablets and other mobile devices. 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.

Versatile use, outdoors or indoors

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.

Easy set-up and installation

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 R300WN22MOD is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS & REACH
DOWNLOAD DECLARATION

CE

FC

TAA
COMPLIANT

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
- 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 -30°C to 60°C (-22°F to 140°F) and withstands 100% humidity
- Supports Wireless-N data rates up to 300Mbps @ 2.4GHz
- 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
	Antenna Configuration	2x2:2 (TxR:S)
	Chipset ID	Atheros - AR9341
	Industry Standards	IEEE 802.3, IEEE 802.3u IEEE 802.11b/g/n
		IP67 certified
	Interface	Wireless Ethernet
Performance	Bandwidth	20/40 MHz
	Frequency Range	2.4 ~ 2.4835 GHz
	Full Duplex Support	Yes
	Max Distance	3.7 km (2.3 mi)
	Maximum Clients	32
	Maximum Data Transfer Rate	300 Mbps
	Modulation	OFDM, DSSS
	Security Features	TKIP/AES
		WEP Data Encryption
		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 Female
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	3 - Wireless Signal Strength
		1 - Power
		2 - LAN Link / Activity
Power	Center Tip Polarity	Positive
	Input Current	1 A
	Input Voltage	100 - 240 AC
	Output Current	0.5 A
	Output Voltage	48 DC

	Plug Type	N
	Power Consumption (In Watts)	13.5
	Power Source	AC Adapter Included
Environmental	Humidity	100% RH Non-Condensing
	Operating Temperature	-30°C to 60°C (-22°F to 140°F)
	Storage Temperature	-30°C to 85°C (-22°F to 185°F)
Physical Characteristics	Color	Gray
	Material	Aluminum and Plastic
	Product Height	2.3 in [5.8 cm]
	Product Length	6.3 in [16.1 cm]
	Product Width	3.9 in [10 cm]
	Weight of Product	24 oz [679 g]
Packaging Information	Package Height	3.4 in [86 mm]
	Package Length	14 in [35.5 cm]
	Package Width	8.5 in [21.5 cm]
	Shipping (Package) Weight	2.8 lb [1.3 kg]
What's in the Box	Included in Package	1 - Outdoor Wireless Access Point
		1 - PoE Injector
		1 - Pole Mounting Kit
		1 - Power Adapter
		1 - Quick Start Guide

Product appearance and specifications are subject to change without notice.