

## Outdoor Wireless-AC1300 Managed Access Point/Extender

MODEL: **HOW12ACM**

AC1300 Wireless

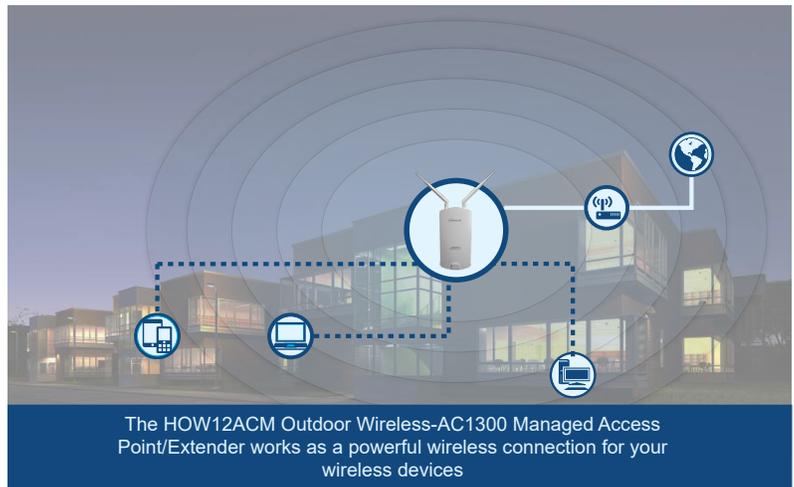


### Features

- Up to 1300Mbps Wireless Speeds!
- Supports Wireless-AC devices and backwards compatible with Wireless b/g/n
- IEEE 802.11 a/n/ac coverage
- Removable Antennas allow easy upgrading
- Included Wall and Pole Mount
- IP-56 Certification to withstand harsh outdoor environments
- Gigabit Ethernet Ports for the fastest wired speeds
- Easy to use Web-based GUI for network configuration and management purposes. Can be completed from any computer, smartphone, or tablet
- Power over Ethernet (PoE) enabled

### PACKAGE CONTENTS:

- One Wireless-AC1300 Access Point
- Two Dual Band Antennas
- One Wall/Pole Mounting Kit
- One CD (Contains Product Information)
- One Quick Installation Guide
- One RJ45 Ethernet Cord (setup only)
- PoE Injector Sold Separately



### Amplify your WiFi with Premium Connectivity & Versatility

The HOW12ACM is a highly-reliable industrial outdoor wireless access point designed to extend wireless network coverage in outdoor environments. It supports IEEE 802.11a/n/ac and is backwards compatible with the IEEE 802.11b/g/n wireless network standard. Also, the HOW12ACM provides simultaneous operation in both the 2.4GHz and 5GHz range, giving maximum flexibility. All computers and wireless-enabled network devices (including tablets, smartphone, ultrabooks, smart tvs, etc.) can connect to this wireless access point. IEEE 802.11ac wireless connectivity also gives you transfer speeds up to 1300Mbps!

The HOW12ACM allows computers and network devices to gain wireless access throughout their networking environment. Quickly configure your HOW12ACM with any Mac or Windows computer through your web browser, no software installation required! The versatile wall/pole mounting hardware included provides easy setup options for the HOW12ACM. Additionally, the HOW12ACM features two gigabit LAN ports. One is for Power Over Ethernet (PoE) and the other is Passthrough, which can power another PoE networking device. Power over Ethernet (PoE) capable means you have the flexibility to mount the HOW12ACM anywhere without being near an AC outlet.

With an industrial standard IP56 rated enclosure, the HOW12ACM works in challenging outdoor weather conditions such as heavy rain, heat, snow and smoke.

### Wireless AC

Standard Wireless-AC dictates that the tradeoff for superfast AC speeds is a proportional decrease in wireless range. Hawking Technology has developed this device to provide the same super speeds typical of Wireless-AC, but also provide concurrent 2.4GHz support via Access Point to offset this range decrease. Use this device with any combination of our Wireless-AC products, even with the devices you already have, and increase your overall wireless network quality.

### Hassle-free Installation

The HOW12ACM is quick and easy to install using any Mac or Windows computer. Simply connect the HOW12ACM to your computer, open your web browser, and access the setup page to configure the device. Connect the HOW12ACM to the router or PoE Switch with an Ethernet cable and instantly boost your wireless network speeds up to 1300Mbps!



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## SPECIFICATIONS:

**MCU/RF:** Qualcomm Atheros IPQ4018 Quad-Core 710MHz + QCA8072

**Ethernet Ports:** LAN: 2x 10/100/1000M Gigabit Ethernet with PoE support 802.3at PD-IN (LAN1) + 802.3af PSE-OUT (LAN2)

**Antennas:** 2x RP SMA Male Removable Dualband External Antennas (2.4G: 3dBi, 5G: 4dBi)

### Output Power:

802.11b: 19dBm@ 1Mbps / 19dBm@ 11Mbps

802.11g: 19dBm@ 6Mbps / 16dBm@ 54Mbps

802.11n(2.4G): 19dBm@MCS0 (HT20) /

16dBm@MCS7 (HT20) / 15dBm@MCS8 (HT20) /

18dBm@MCS0 (HT40) / 15dBm@MCS7 (HT40) /

13dBm@MCS9 (HT40)

802.11a: 17dBm@ 6Mbps / 14dBm@ 54Mbps

802.11n/ac (5G): 17dBm@MCS0 (HT20) /

13dBm@MCS7 (HT20) / 13dBm@MS8(HT20) /

16dBm@MCS0 (HT40) / 13dBm@MCS7 (HT40) /

12dBm@MCS9 (HT40)

802.11ac: 14dBm@MCS0 (VHT80) /

13dBm@MCS7 (VHT80) / 12dBm@MCS9 (VHT80)

### Receive Sensitivity:

802.11b: -93dBm@ 1Mbps / -84dBm@ 11Mbps

802.11g: -83dBm@ 6Mbps / -68dBm@ 54Mbps

802.11n(2.4G): -83dBm@MCS0 (HT20) /

-65dBm@MCS7 (HT20) / -62dBm@MCS8 (HT20) /

-82dBm@MCS0 (HT40) / -61dBm@MCS7 (HT40) /

-55dBm@MCS9 (HT40)

802.11a: -83dBm@ 6Mbps / -66dBm@ 54Mbps

802.11a/n(5G): -82dBm@ MCS0 (HT20) /

-62dBm@MCS7 (HT20) / -60dBm@MCS8 (HT20) /

-80@MCS0 (HT40) / -61dBm@MCS7 (HT40) /

-54dBm@MCS9 (HT40)

802.11ac: -76dBm@MCS0 (VHT80) /

-61dBm@MCS7 (VHT80) / -51dBm@MCS9 (VHT80)

**Power:** 802.3at (PoE Injector/Switch); Avg 12W, Max 15W.

**Operating Temperature:** -40~140F° (-40~60C°)

Storage: -40~158F° (-40~70C°)

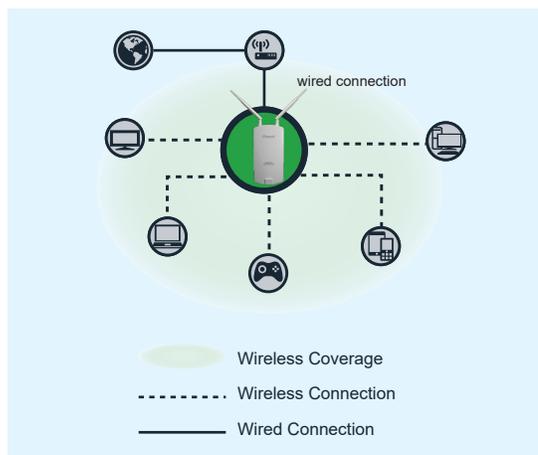
**Dimension:** 9.5 x 4.8 x 1.6 in (242.3 x 120.9 x 41 mm). Antennas: 7.6 x 0.5 in (193 x 12 mm)

**Weight:** 22.6 oz (640.7 g)

**Certification:** CE/FCC

All specifications are subject to change without prior notification.

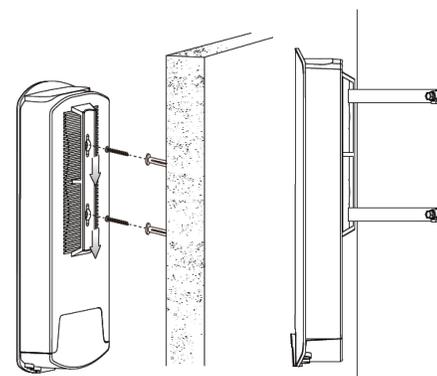
## ACCESS POINT



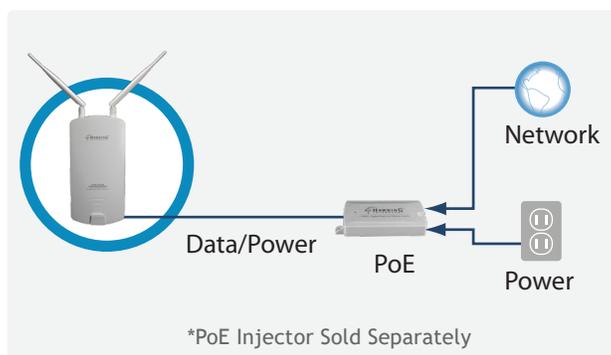
Connect all your devices to the HOW12ACM with increased range and speeds, your wireless options are endless! In addition, Wireless-AC speeds are optimal for data intensive applications like streaming, downloading and surfing high definition content.

## MAXIMUM VERSATILITY

The HOW12ACM has a wall mount kit and pole mount kit that lets you quickly and easily mount the device. Flexibility of installation allows you to place the unit anywhere to give you maximum speed and bandwidth.



## PoE COMPATIBLE



By combining your power and data connections into a single cable, PoE can simplify the setup. This gives you flexibility to install the device in any location, even out of the way locations with few power outlets.