HAWKING ®
TECHNOLOGY

High Power Outdoor Wireless Access Point with Built-in AP Controller

Outdoor Wi-Fi, AP Controller

PACKAGE CONTENTS:
- One HPOW5CM
- One Power over Ethernet Adapter (PoE) w/ AC Adapter
- One Wall/Pole Mounting Kit
- One CD (Contains Product Information)
- One Quick Installation Guide
- One RJ45 Ethernet cord (setup only)

Features
- AP Controller Built-in
- 800mW of High Power Wi-Fi Networking
- Features Multiple Operating Modes
- Power over Ethernet (PoE) Injector included
- Wall and Pole Mount included
- Heavy Duty, Weather Proof Design
- 2 x 10/100Mbps Ethernet Ports (PoE Passthrough)
- Easy to use Web-based GUI for network configuration and management purposes. Can be completed from any computer, smartphone, or tablet

The HPOW5CM High Power Wireless Access Point w/ AP Controller works as a powerful wireless connection for your wireless devices

High Power Outdoor WiFi Access Point
Hawking Technology's HPOW5CM puts multiple solutions into one weather proof outdoor unit. The High Power Outdoor WiFi Access Point with AP Controller functions as an Outdoor AP Controller, Access Point, Ethernet Bridge, Universal Repeater, Router and WISP Router. Additionally, two internal 5dBi Omni-Directional antennas are built into the unit to provide 360° network coverage. It features a Power over Ethernet connection and includes wall and pole mounting kits for easy installation and setup.

AP Controller
One HPOW5CM in AP Controller Mode can control multiple HPOW5CMs on the same network. The HPOW5CM in AP controller mode can set IPs, configure wireless settings, monitor wireless status, upgrade firmware and remote control multiple HPOW5CMs in Access Point mode.

Outdoor Wireless-N Access Point
Create a wireless network in an indoor or outdoor location by setting the HPOW5CM in Access Point mode. In Access Point mode, the HPOW5CM enables wireless access to any existing wired networking.

Outdoor Wireless-N Bridge Mode:
Enable any wired Ethernet-ready device or existing wired network to connect to your existing wireless network using the HPOW5CM. Wirelessly connect the network of your remote office building to your main office building easily by setting the HPOW5CM in Bridge Mode.

Outdoor Wireless-N Universal Repeater Mode
Repeat the wireless signal from your existing network and extend the total wireless range of your network to an outdoor location. Setting up the HPOW5CM in Universal Repeater mode allows you to extend the range from an indoor or outdoor Wi-Fi network to your desired new location.
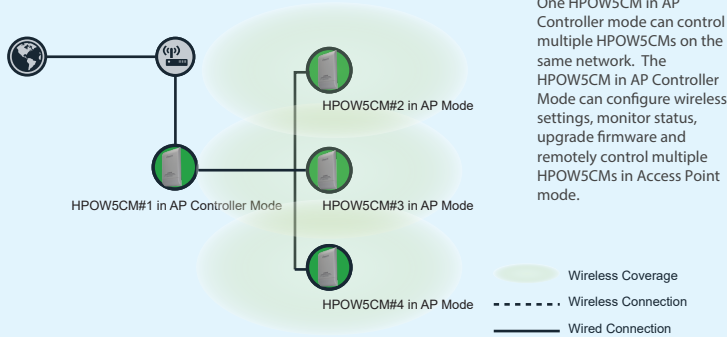
Outdoor Wireless-N Router/WISP Mode
In router mode, the HPOW5CM can function as a standard wireless router. Connect your modem and get online. In Wireless ISP (WISP) mode, the HPOW5CM can connect to remote hotspots and funciton as a wireless router.
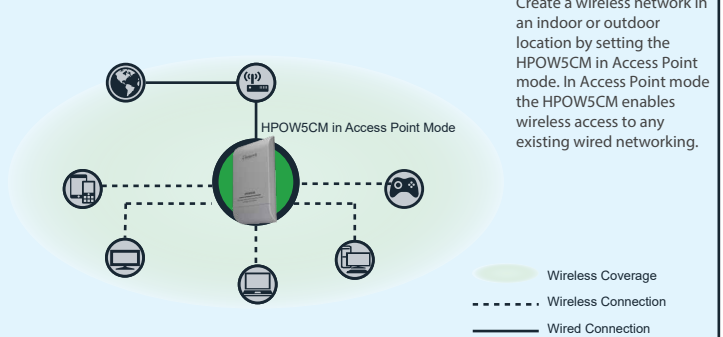
Power over Ethernet (PoE) Supported
The HPOW5CM uses PoE. This feature provides flexibility in mounting conditions, allowing you to install in many differnet places with the included mounting kits. A PoE injector is included.
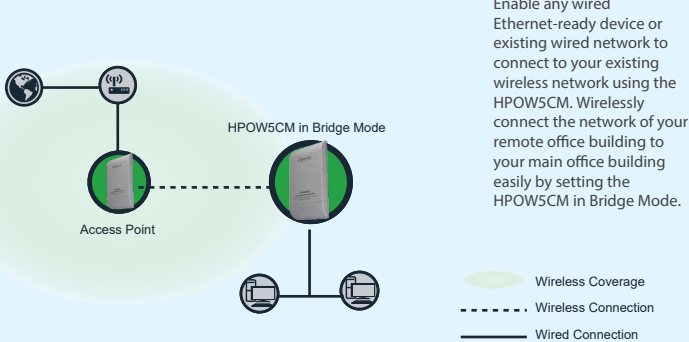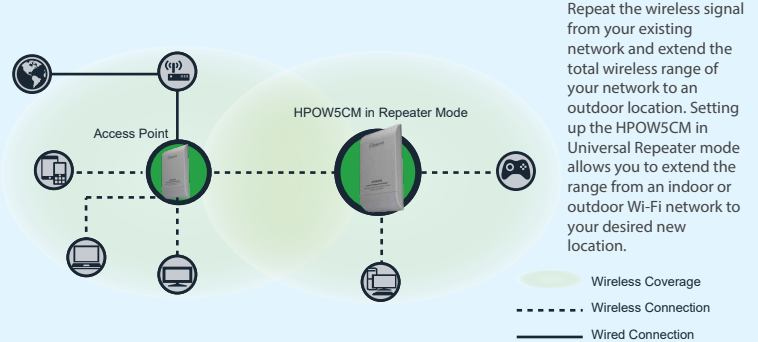
PRIMARY OPERATING MODES

AP Controller

One HPOW5CM in AP Controller mode can control multiple HPOW5CMs on the same network. The HPOW5CM in AP Controller Mode can configure wireless settings, monitor status, upgrade firmware and remotely control multiple HPOW5CMs in Access Point mode.

HPOW5CM#2 in AP Mode
HPOW5CM#1 in AP Controller Mode
HPOW5CM#3 in AP Mode
HPOW5CM#4 in AP Mode

Wireless Coverage
Wireless Connection
Wired Connection

Access Point

Create a wireless network in an indoor or outdoor location by setting the HPOW5CM in Access Point mode. In Access Point mode the HPOW5CM enables wireless access to any existing wired networking.

HPOW5CM in Access Point Mode

Wireless Coverage
Wireless Connection
Wired Connection

Bridge

Enable any wired Ethernet-ready device or existing wired network to connect to your existing wireless network using the HPOW5CM. Wirelessly connect the network of your remote office building to your main office building easily by setting the HPOW5CM in Bridge Mode.

HPOW5CM in Bridge Mode
Access Point

Wireless Coverage
Wireless Connection
Wired Connection

Repeater

Repeat the wireless signal from your existing network and extend the total wireless range of your network to an outdoor location. Setting up the HPOW5CM in Universal Repeater mode allows you to extend the range from an indoor or outdoor Wi-Fi network to your desired new location.

Access Point
HPOW5CM in Repeater Mode

Wireless Coverage
Wireless Connection
Wired Connection

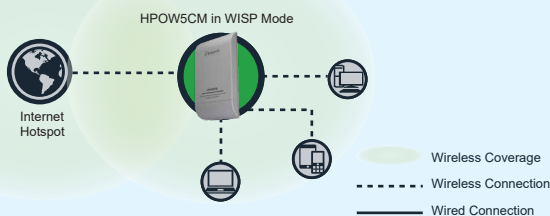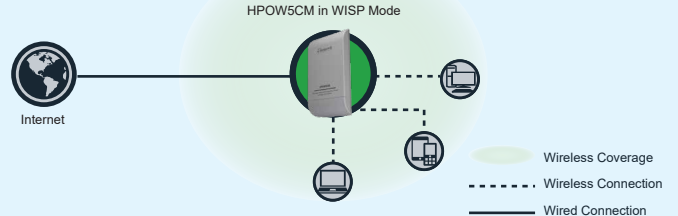### WISP

In Wireless ISP (WISP) mode, the HPOW5CM can connect to remote hotspots and funciton as a wireless router.

HPOW5CM in WISP Mode
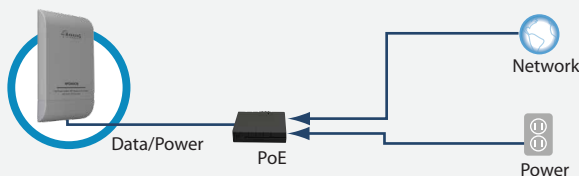Internet Hotspot
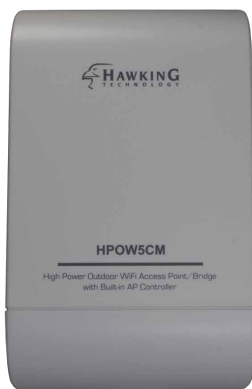
Wireless Coverage
Wireless Connection
Wired Connection

Router

In router mode, the HPOW5CM can function as a standard wireless router. Connect your modem and get online.

HPOW5CM in WISP Mode
Internet

Wireless Coverage
Wireless Connection
Wired Connection

EASY INSTALLATION WITH POWER OVER ETHERNET (PoE)

Network
Data/Power
PoE
Power

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.

High Power Outdoor Wireless Access Point with Built-in AP Controller

HAWKING TECHNOLOGIES, INC.

SPECIFICATIONS:

Wireless Radio: IEEE802.11b/g/n

Ethernet Ports: 2 x 10/100Mbps Ethernet Ports (PoE Pass Through) IEEE 802.3, 802.3u compliant

Wireless Radio: IEEE 802.11 b/g/n compliant

Data Transfer Rate:
IEEE 802.11b: 1 / 2 / 5.5 /11Mbps
IEEE 802.11g: 6 / 9 /12 / 18 / 24 / 36 / 54Mbps
IEEE 802.11n: 300Mbps (Tx), 300Mbps (Rx)

Fequency: 2.4GHz

Channel Spacing:
IEEE 802.11b/g: 20MHz
IEEE 802.11n: 20/40MHz

Media Access Protocol: CMA/CA with ACK

Modulation Method:
IEEE 802.11b: DSSS (DBPK, DQPSK, CCK)
IEEE 802.11g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)

Output Power: 800mW (±2dB dBm)

Receive Sensitivity: -96dBm (±2dB dBm)

Antennas: Built-in 2x 5dBi Omni-Directional Antennas (H-Plane: 360, E-Plane: 60)

Power Supply:
AC Input: 110-220V AC Power
DC Output: 48VDC, 0.5A input
(PoE Power Injector, support up to 1A)

Dimensions: 7.5 x 4.5 x 2.25in (190.5 x 114 x 57mm)
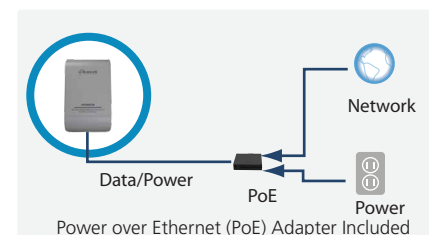
Weight: 10.2oz (290g)

Operating Temperature: -4°F~140°F (-20 °C~60°C)

POWER ON & CONNECT
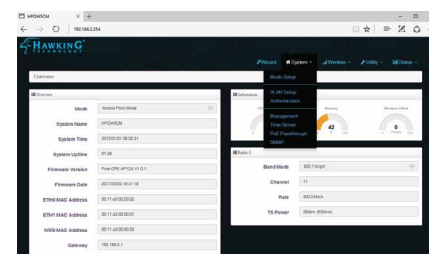
It's easy to install, it's easy to use! Everyone can do it.

STEP 1: Power on the Access Point
Use the included Power over Ethernet Injector to connect the HPOW5CM to your network and a power source.

Network
Data/Power
PoE
Power
Power over Ethernet (PoE) Adapter Included

STEP 2: Configure the Access Point
Configuration can be completed from any device with a web browser. Simply log into the setup page and select your settings.
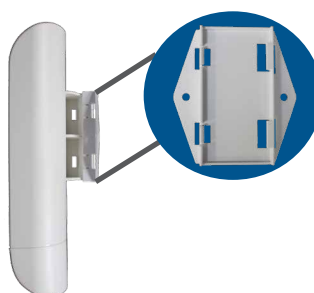
STEP 3: Mount the Access Point
Find a safe location to mount the HPOW5CM.

MOUNTING OPTIONS

The HPOW5CM is complete with both Pole and Mounting Hardware.

For Wall Mounting, locate the included bracket inside the packaging. Use the included hardware to mount the bracket to the wall. Once your bracket is secure, click the HPOW5CM into place via the rear pole mount extension.

For Pole Mounting, use the included hardware and thread the mounting tie straps through the rear HPOW5CM extension and around your pole. Thread the end through the lock head and secure at your preferred height.