HI-GAIN™ OUTDOOR DUAL-BAND WI-FI ACCESS POINT / BRIDGE

FEATURES

- Supports Dual-Frequency 2.4GHz and 5GHz
- Six Operating Modes: Access Point, Bridge, Bridge Point to Point, Bridge Point to Multi-Point and Bridge WDS modes
- Easy to use Web-based GUI for network configuration and management purposes
- Power-over-Ethernet (PoE) and Gigabit PoE Injector Included
- IP-67 Certification to withstand harsh outdoor environments

GIGABIT PORT

RESET BUTTON

RP N-TYPE JACK

Hawking Technology's HOD45B outdoor multifunction wireless device offers the best solution for both range and data intensive network environments. It is designed with multiple solutions in one high performance, weather-proof, outdoor unit. The HOD45B features a Power-over-Ethernet connection and comes with wall and pole mounting kits. Built-in 2.4GHz and 5.0GHz radios simultaneously support the IEEE 802.11a/b/g/n wireless network standards for streaming movies and other online applications.

The HOD45B raises the standard for long range networking in any outdoor environments. Create a wireless network for you home, office, boat, RV vacation resort, guest house, and other outdoor applications in minutes!
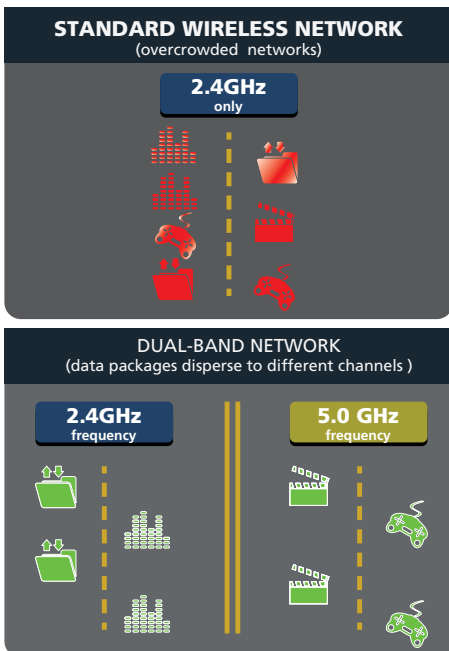
Hi-Gain™ Outdoor Dual-Band Wi-Fi Access Point / Bridge

Blazing Fast Speed with Dual-Band Wi-Fi Network

The HOD45B works on two frequencies, 2.4GHz and 5.0GHz. While the range of the 2.4GHz is incomparable, the 2.4GHz frequency is also the most commonly used wireless standard. It shared by many standard Wi-Fi enabled devices and other household electronics. Backlog and slow connection are common due to its popularity can be frustrating while streaming movie, gaming, conferencing, or simply surfing the Internet.

With advanced dual-band technology, the HOD45B provides maximum flexibility to connect to the popular 2.4GHz frequency for long range applications and to off-load traffic to the faster, less-crowded 5.0GHz frequency for data intensive applications.
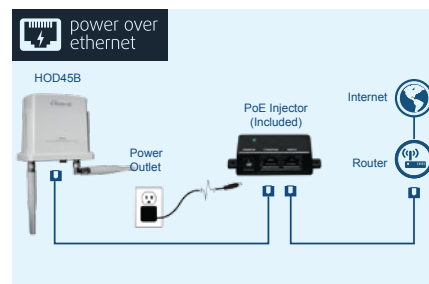

Wireless AC Compatibility

In addition to advanced dual-band technology, the HOD45B is compatible with the latest Wireless AC standard. This means that all your AC wireless devices can connect seamlessly, along with any components on the b/g/n network.

Power-Over-Ethernet (PoE)

The Power-over-Ethernet (PoE) feature allows the unit to be powered through an Ethernet cable, eliminating the need for a separate power cord. This reduces installation costs and power cable clutter, which provides mounting flexibility, even for outdoor applications. The PoE can support Ethernet cables up to 100 feet in length without any signal loss. Should the distance exceed 100 feet, simply use an Ethernet switch, sold separately, to extend the cable length with minimal loss. The HOD45B also includes a Gigabit PoE injector that transmits at a rate of 1000Mbps.

Outdoor Weather Proof

The robust HOD45B is certified to IP-67 standards to withstand harsh weather such as rain, snow, or even extreme heat, with an operating temperature from 0-40° Celsius and operating humidity from 10-90% non-condensing environment. Pole and wall mounting kits are included for your convenience. Be sure to properly mount the unit for best results.

Easy Installation

The HOD45B is quick and easy to install using a Wi-Fi enabled device (i.e. tablet, smartphone, Mac or Windows computer). The innovative hassle-free installation feature means no CD or software is required to complete setup.
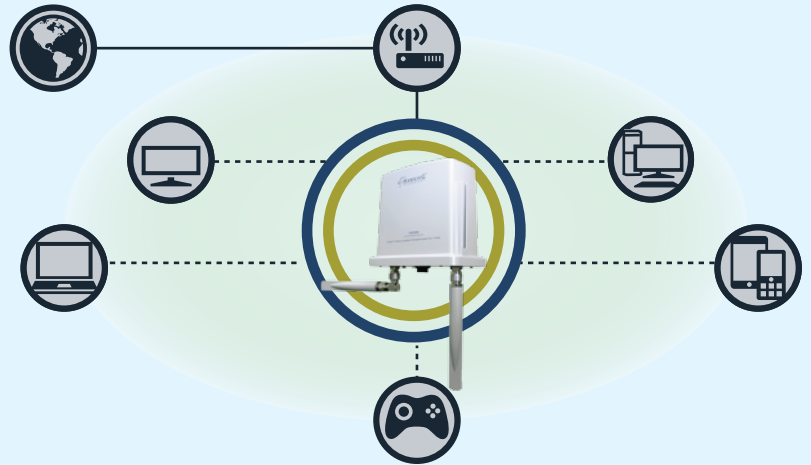

Multiple Operating Modes

The HOD45B is designed with multiple operating modes: Range Extender (Repeater), Access Point, Bridge, Point-to-Point, Point-to-Multiple Points, and WDS Bridge. In range extender (repeater) mode, the HOD45B repeats wireless signals from any access point or router with a 2.4GHz 802.11b/g/n network. In access point mode, the HOD45B converts a wired network to a wireless network. While in bridge mode, the HOD45B consolidates all your wired devices and connects them to your wireless network. For more information about the HOD45B operating modes, please see the next page.

HI-GAIN™ OUTDOOR DUAL-BAND WI-FI ACCESS POINT / BRIDGE

Multiple Applications: How Each Mode Works? (Part 1/2)
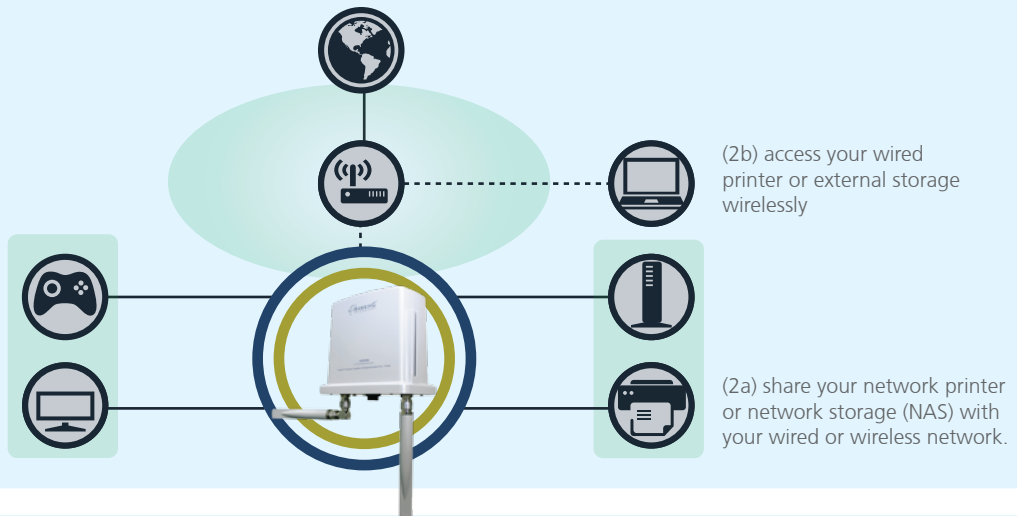
ACCESS POINT MODE

In Access Point Mode, the HOD45B connects directly to a Network through a wired Ethernet connection and then provides wireless connections to other devices (i.e. Wi-Fi enabled laptop, tablet, smart phone, gaming consoles, etc.).
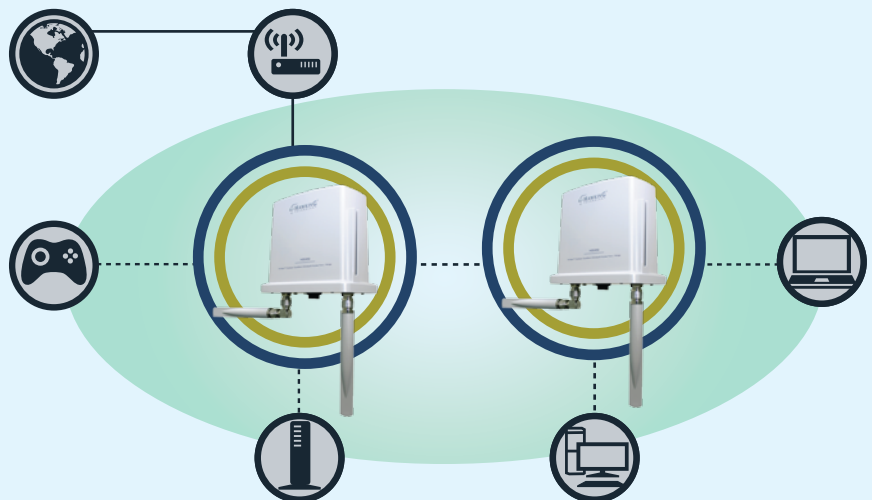
BRIDGE MODE

In Bridge Mode, the HOD45B (1) consolidates all your wired devices and connects them to your wireless network, (2a-b) converts your wired devices, such as printers or external storage systems, for use on a wireless network.

(1) connect your wired gaming console, TV, or desktop to your wireless network

(2b) access your wired printer or external storage wirelessly

(2a) share your network printer or network storage (NAS) with your wired or wireless network.

UNIVERSAL REPEATER MODE

In Universal Repeater Mode, the HOD45B doubles the range of any wireless 802.11 a/b/g/n network. Under the Universal Repeater mode, the HOD45B is compatible and capable of repeating signal from most of the other Wi-Fi APs/Routers in the market.
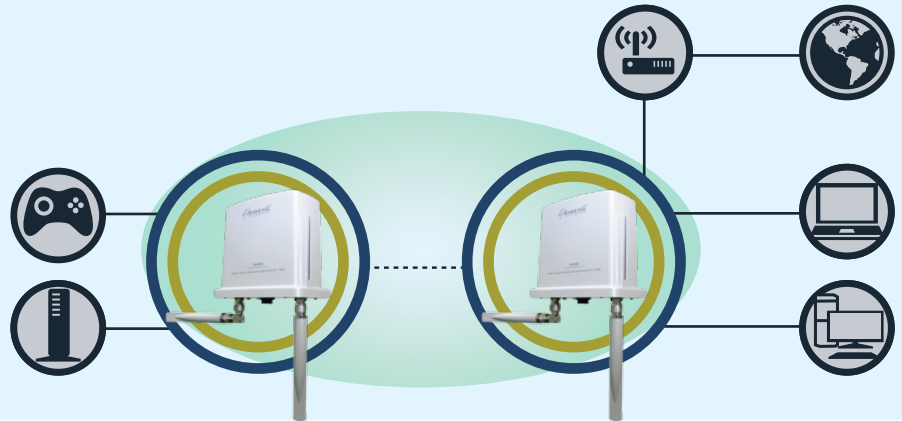
Wireless Coverage   - - - - - - - - - -   Wireless Connection   _____   Wired Connection

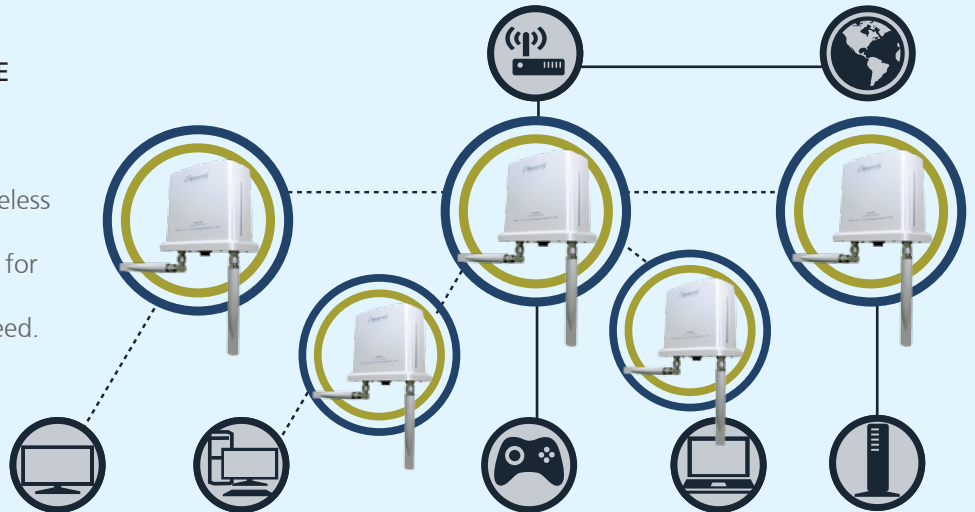## Multiple Applications: How Each Mode Works? (Part 2/2)

POINT-TO-POINT MODE

In Point-to-Point Mode, the HOD45B establishes a direct wireless connection with another HOD45B. This mode is great for connecting a long range network with minimal loss in performance and speed.
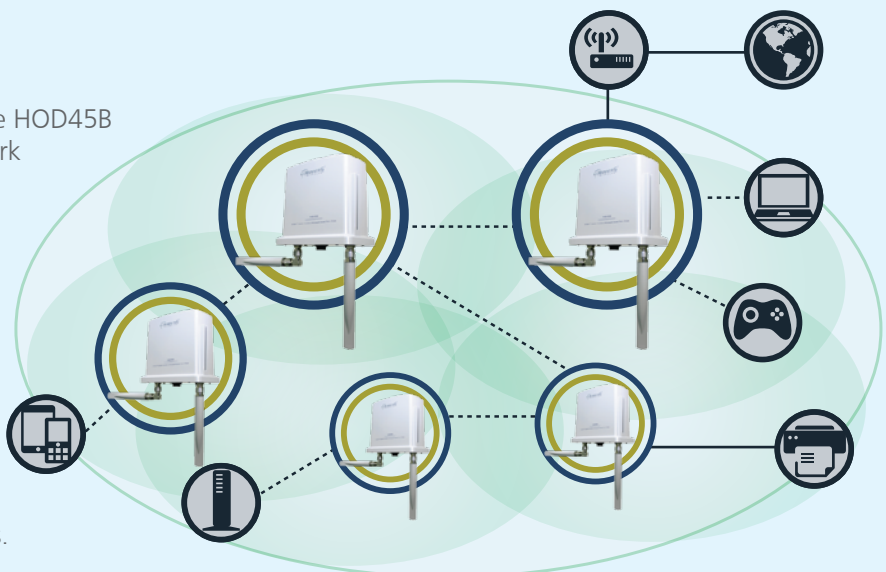

POINT-TO-MULTIPLE POINT MODE

Similar to Point-to-Point Mode, in Point-to-Multiple Point Mode, the HOD45B can establishes a direct wireless connection with up to four other HOD45B devices. This mode is great for networking a larger network with minimal loss in performance and speed.

WDS BRIDGE MODE
(WIRELESS DISTRIBUTING SYSTEM)

In WDS mode, you can combine multiple HOD45B devices to create a larger wireless network environment. The HOD45B can be daisy chained, and allows users to connect seamlessly from one HOD45B to another. This mode is recommended for a more extensive wireless application such as campground, boat dock, or resort.
Note: This WDS mode requires multiple Hawking HOD45B Wireless AP / Bridges; Compatibility is not guaranteed with other devices or brands.

Wireless Coverage   Wireless Connection   Wired Connection

HI-GAIN™ OUTDOOR DUAL-BAND WI-FI ACCESS POINT / BRIDGE

HOD45B

PACKAGE CONTENTS

- Hi-Gain™ Outdoor Dual-Band Wireless-N Access Point/Bridge
- Two 5dBi Outdoor Antennas
- Power-over-Ethernet DC Injector
- L-shape Antenna Connector
- Waterproof Gasket Kit for RJ-45
- Power Cable and Power Transformer
- Ethernet Cable
- Wall & Pole Mounting Kit
- Setup CD

SYSTEM REQUIREMENTS

- Smartphone, Tablet, Microsoft® Windows® Vista or later, Mac OS® 10.5 or later
- Web browser: Internet Explorer® 6+, Firefox® 2.0+, Safari®, Google Chrome™11.0+
- Broadband Internet Connection

PHYSICAL SPECIFICATIONS

Outdoor Dual-Band AP/Bridge
- Dimensions: 6.25 x 6.87 x 3.5 in
- Weight: 1.58 lb (excludes antennas)

Antenna (2)
- Dimensions: 7.25(H)x 0.75(D) in
- Weight: 2.4 oz (68 grams)
- Temperature
  -20~70C (Operating)
  -40~80C (Storage)
- Humidity
  10~90% Non-condensing (operating)
  Max.95% non-condensing (storage)

TECHNICAL SPECIFICATIONS

- 2.4GHz IEEE 802.11 b/g/n
- 5.0GHz IEEE 802.11 a/n
- RJ-45 WAN/LAN 10/100/1000M (Auto-MDI/MDI-X)UTP
- Simultaneous Dual-Band Wi-Fi - (2.4GHz 2T2R)+(5.0GHz 2T2R) Tx/Rx up to 600Mpbs*
- Security: 64/128-bit WEP, WPA, WPA2 securities, and IEEE 802.1x Authentication
- Antenna: Two 5dBi Dipole Antenna (5GHz and for 2.4GHz)
- Power: 48V, 0.5A Switching Power Adapter (PoE)
- Output Power (2.4GHz)
  11b: 18±1.5dBm
  11g: 17±1.5dBm
  11n:17±1.5dBm
- Output Power (5.0GHz)
  11a: 14±1.5dBm
  11n:14±1.5dBm
- Certificate: FCC

POWER-OVER-ETHERNET(PoE) INJECTOR

- Power: PIN 4/5 + 7/8
- Data: PIN 1/2, 3/6 & 4/5 + 7/8
- Ethernet Data Rate: 10/100/1000M TX
- Ethernet Cable Connector: RJ-45
- Support Input Voltage: 8V – 57V (Max. 48W)
- Support Output Voltage: 8V – 57V (Max. 48W)
- Built-in LED Indicators
- Unit Weight: 2.2 oz (62 grams)
- Dimensions: 3 x 1 x 8 in
- Input Power: AC 110 – 240V ~ 50/60GHz 0.4A
- Output Power: DC48V 0.4A
- Certifications: UL, CE, FCC

WARRANTY

- 1 Year

TECHNICAL SUPPORT

Toll Free US& Canada
1.888.202.3344

SALES

1.888.662.8828

Hawking Technology, Inc. | 8 Faraday, Suite B, Irvine CA 92618, U.S.A | 1.888.662.8828 | sales@hawkingtech.com | www.hawkingtech.com

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