



• HAO9SIP

**Hi-Gain Omni-Directional
2.4GHz 9dBi Antenna
802.11b/g Wireless Standard
One Year Warranty**

PACKAGE CONTENTS:

- ◆ One Hi-Gain Outdoor Wireless Omni-Directional Antenna
- ◆ RP-SMA Cable for Wireless Device (Indoor Cable)
- ◆ TNC Jumper Cable
- ◆ Mounting Kit
- ◆ Surge Protector
- ◆ Water-proof Tape
- ◆ User's Manual

Get Connected With Hawking

- ◆ Increase Your Outdoor Wireless Network Strength
- ◆ Works with 2.4GHz 802.11b /g Wireless Standards
- ◆ Extend your Network Range up to 1.5 miles
- ◆ 360 Degree Signal Amplification
- ◆ Easy Installation (No Software Required)
- ◆ Free Tech Support

Boost Your Wireless Experience (Extend your Wireless Network Range up to 1.5 miles!)

Hawking Technology's HAO9SIP, 2.4 GHz Hi-Gain Wireless Outdoor Omni-Directional Antenna kit, boosts your wireless signal strength from 2dBi (standard) to 9dBi! The Hi-Gain Omni-Directional Antenna lets you extend your wireless network into multiple areas. By emitting your amplified wireless signal in a 360° radius, the HAO9SIP increases your network coverage evenly among multiple locations. Our engineers have optimized the design of this product to ensure the performance and quality of the antenna. When paired with another Hawking Hi-Gain 24 Series Wireless Antenna, increased ranges of up to 1.5 miles may be achieved. Whether your application requires sharing your wireless connection from one corporate building to surrounding buildings, or, from your house to an outside yard, the Hawking Hi-Gain Outdoor Antenna kits are the perfect solution.

Hawking's Hi-Gain Antennas are designed to work with all Wireless Access Points, Wireless Routers and Wireless Network Adapters that have removable external antennas. Pairing the Outdoor Antenna with Hawking's Wireless Devices is recommended, however, not required. The HAO9SIP is designed with the popular RP-SMA connector, which works with many major Wireless Brands. It also comes with the TNC jumper cable for wider range of compatibility. Simply unscrew your current antenna and screw on Hawking's Hi-Gain antenna and you're ready to go!

The Outdoor Antenna Kit comes with everything you need to mount and secure your Hi-Gain network. The included antenna surge protector protects your valuable wireless equipment from damage caused by electrical surges or lightning on your antenna. The mounting kit is complete with all the nuts and bolts necessary to mount your antenna on a wall or a pole, except for the N-Plug extension cable. There are two N-Plug extension cables available, 10ft (HAC10N) and 30ft (HAC30N). Prior to installation, remember to purchase the N-Plug extension cables. Note: It is best to measure the distance prior to purchasing the N-Plug extension cable. A shorter cable can minimize the performance loss due to cabling.

Systems Requirement:

- ◆ One Wireless Device with an external Antenna connector

CAREFREE WIRELESS



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WIRELESS NETWORK DIAGRAM:



RELATED PRODUCTS:

(Wireless Devices w/ SMA Connectors)

- HAO8SI** Omni-Directional 8dBi Outdoor Hi-Gain Antenna
- HAO14SD** Directional 14dBi Outdoor Hi-Gain Antenna Kit
- HAI15SC** Hi-Gain Corner Antenna 15dBi
- HAI6SDP** Hi-Gain 6dBi Directional Antenna
- HAC10N** N-Plug Outdoor Cable Extension 10 feet
- HAC30N** N-Plug Outdoor Cable Extension 30 feet

READY, NETWORK & GO!

It's easy to install, it's easy to use! Everyone can do it.

Step 1 - Unscrew Your External Antenna

Unscrew and remove your current external wireless antenna from your Access Point or Wireless Router

Step 2 - Screw in the Hawking Antenna

Screw in the SMA Connector from the Hawking Hi-Gain Antenna

Step 3 - Mount and Connect Your Antenna

Mount your outdoor antenna in your desired location and connect the rest of the cables. It's that easy!

SPECIFICATIONS:

Network

- ◆ IEEE 802.11b WLAN Standard
- ◆ IEEE 802.11g WLAN Standard
- ◆ Wireless 2.4 GHz Network

Operating Frequency

- ◆ 2.4 ~ 2.4835 GHz

Electrical Properties

- ◆ Impedance 50 Ohms nominal
- ◆ Gain 9.0 dBi
- ◆ Polarization Linear, Vertical
- ◆ H-plane 360°
- ◆ E-plane 15°

Mounting

- ◆ Pole Mountable
- ◆ Wall Mountable

Mechanical Properties

- ◆ Connector: RP-SMA, N-Plug
- ◆ Cable: HDF400 (AC10N/AC30N)
- ◆ Dimension: L x W x H
620.5 x 45 x 45 mm
- ◆ Weight: 477g (without joint)

ANTENNA COVERAGE DIAGRAM:



Features	Benefits
2.4 GHz Frequency	Works with all 802.11b/g Wireless Standards
Reverse SMA Plug	Compatible with most Access Points / Adapters
9dBi External Omni- Directional Antenna	Ensures optimal coverage
360 Degree Signal Amplification	Increase your outdoor wireless network strength Extend your Network Range up to 1.5 miles