



## Product Description: Hawking High Gain Outdoor Directional Antenna

### Overview

**Manufacturer:** Hawking Technologies  
**D H Part #:** HAO9SDP  
**Mfr #:** HAO9SDP

Hawking Technologies HAO9SDP, Outdoor Directional 9db Antenna Kit.



### General Information

**Manufacturer:** Hawking Technologies, Inc  
**Manufacturer Part Number:** HAO9SDP  
**Manufacturer Website Address:** www.hawkingtech.com  
**Brand Name:** Hawking  
**Product Name:** High Gain Outdoor Directional Antenna  
**Marketing Information:**

The HAO9SDP Hi-Gain 9 dBi Outdoor Directional Antenna Kit is a heavy duty, weather proof, high powered antenna for extending the range of your existing wireless 802.11 b or 802.11g WiFi devices. Whether your application requires extending a wireless signal from on building to another or simply from one end of the house to another end, the Hi-Gain 9dBi is the perfect solution.

The Hi-Gain Directional technology concentrates your wireless signal directly towards the wireless source from your network. This results in a significantly increased in wireless distance. When paired with another Hi-Gain 9dBi antenna, you may extend your distance by up to 1.5 miles.

**Product Type:** Directional Antenna

### Technical Information

**Antenna Range:** Up to 1.5 Mile  
**Frequency:** 2.4 GHz to 2.5 GHz  
**Gain:** 9 dBi  
**Impedance:** 50 Ohm  
**Polarization:**  

- Vertical
- Linear

**Beamwidth:**  

- 70° Horizontal Plane
- 65° Vertical Plane

**Front to Back Ratio:** 15 dB  
**Survival Wind Speed:** 216 km/hr  
**VSWR:** 1.8:1  
**Cable Length:** 9.84 "

## Interfaces/Ports

**Connectors:** N-type

## Environmental Conditions

**Temperature:** -40 °C (-40.0 °F) to 80 °C (176.0 °F)

**Humidity:** 95%

## Physical Characteristics

**Dimensions:** 4.8" x 4.8" x 1.85"

**Weight:** 6.7 oz

## Miscellaneous

### Package Contents:

- High Gain Outdoor Directional Antenna
- Surge Protector (N-Plug to N-Jack)
- 50 cm extension cable (N-Plug to SMA)
- TNC adaptor (RP-SMA to RP-TNC)
- Wall Mounting kit
- Waterproof tape
- Quick installation guide

### Additional Information:

- Cable: ULA-198; 25 cm
- Humidity: 95% @ 25 C
- Lightning protection: DC ground
- Radome Color: Grey-White
- Radome material: ABS, UV resistant
- Easy Installation
- No configuration required
- The distance may vary in different operating environment

### System Requirements:

An outdoor low loss antenna cable (Hawking Model# HNC10N or HNC30N) is required for outdoor installation and must be purchased separately.

### Compatibility:

- 

### Certifications & Standards:

- IEEE 802.11b
- IEEE 802.11g

## Warranty

**Standard Warranty:** 1 Year Limited

**Parts Warranty/Labor:** 1 Year

## Featured Suggested Accessories



**Hawk**  
HAC1C  
Hawkii  
Mfr #:



**Hawking N-plug to TNC Jumper Antenna Cable**

HACNT  
Hawking Technologies  
Mfr #: HACNT



**Hawking Outdoor Highgain Antenna Cable**

HAC30N  
Hawking Technologies  
Mfr #: HAC30N



**Hawking SMA to TNC Antenna Jumper Cable**

HACST  
Hawking Technologies  
Mfr #: HACST



**Hawking SMA Jack to MCX Jumper Cable**

HACSA  
Hawking Technologies  
Mfr #: HACSA



**Hawking Antenna Surge Protector**

HASP1  
Hawking Technologies  
Mfr #: HASP1



**Hawking Antenna Adapter**

HACSM  
Hawking Technologies  
Mfr #: HACSM

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