

# Huber+Suhner Sencity 8dBi Dual-Band Omni WiFi Antenna, 2.4GHz & 5GHz

SKU: ANT-HS-00009

MPN: 1399.17.0111

## Description

The Huber+Suhner Sencity 8dBi Dual-Band Omni WiFi Antenna (SKU: ANT-HS-00009) is engineered for robust performance across dual frequency bands, 2.4GHz and 5GHz, making it ideal for various communication applications. With an IP68 rating, this antenna withstands harsh environmental conditions, operating reliably in temperatures from -40°C to 80°C. Constructed from durable ASA Plastic and Stainless Steel (304), it promises longevity and resilience.

This antenna is designed with a 1x1 SISO configuration, featuring a single N Female RF connection. It supports a 50  $\Omega$  impedance and handles up to 300 W of input power, making it suitable for demanding wireless networking scenarios. Its vertical polarisation and omnidirectional azimuth beamwidth of 360° ensure optimal signal coverage.

The antenna's performance is notable in multiple frequency ranges, offering a peak gain of 6.0 dBi within 2400-2700 MHz and 3400-3800 MHz, and 8.0 dBi within 4900...

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### Huber+Suhner

The global Swiss company HUBER+SUHNER develops and manufactures components and system solutions for electrical and optical transportation of data and energy. The company serves customers in the Communication, Transportation and Industrial markets with cables, connectors, cable systems, antennas and other passive components relying on its expertise in radio frequency, fiber optics and low frequency ...

# RF Specification

Start Frequency:	2400 MHz	Polarisation:	Vertical (V)
Stop Frequency:	7125 MHz	Input Impedance:	50
Max. Input Power:	300 W		

## RF Connectors

Ports	RF Interface
1	N Female

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
2400 MHz	2500 MHz	6 dBi	< 1.8:1	360°
2500 MHz	2700 MHz	6 dBi	< 2:1	360°
3400 MHz	3800 MHz	6 dBi	< 2:1	360°
4900 MHz	5925 MHz	8 dBi	< 1.8:1	360°
5925 MHz	7125 MHz	8 dBi	< 1.9:1	360°

# Physical Specification

Input Ports:	1	Dimensions:	50.6 x 86
MIMO:	1x1 SISO	Ingress Protection:	IP68
Min. Operating Temperature:	-40 °C	Materials:	ASA Plastic, Stainless Steel (304)
Max. Operating Temperature:	80 °C		
		Weight:	0.3 kg
		Compliance/Certifications:	RoHS
		Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock

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