

Huber+Suhner Sencity 6dBi Dual-Band Omni WiFi Antenna, 2.4GHz & 5GHz

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Description

Huber+Suhner's Sencity series dual band 2.4 and 5 GHz omnidirectional antennas are a durable, industrial grade antenna designed for operation in dual band WiFi and multipoint wireless applications.

The antenna covers the full 802.11a/n/ac/ax 2.4 and 5 GHz bands from 2.3 to 2.5 GHz and 4.8 to 6 GHz. Unlike many competing offerings, Huber+Suhner have designed the antenna with a consistent 6 dBi gain across both of the bands, providing consistent radiation patterns between frequency bands.

With an IP67 ingress protection rating the antenna is suitable for harsh environments such as those found in mining and heavy industry. The model has undergone mechanical shock, salt spray, vibration, and solar radiation testing, confirming its suitability for some of the toughest locations.

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With unmatched quality and attention to detail, Huber+Suhner antennas are among the best in the world. The Sencity Dual Band WiFi omni antenna continues the company's long legacy of high performance RF equipment.

The antenna is ideal for the latest 802.11ac/ax WiFi standards, and is ideal for use as a spatially separated MIMO antenna. Optimal spacing between each Sencity antenna is > 120 mm for MIMO applications.



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

Dual Band Wi-Fi

Start Frequency:	2300 MHz	Polarisation:	Vertical (V)
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	30 W		

RF Connectors

RF Interface	Body Shape
N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
2300 MHz	2500 MHz	6 dBi	< 1.5:1	360°	20°
4800 MHz	5150 MHz	5 dBi	< 1.7:1	360°	12°
5150 MHz	6000 MHz	6 dBi	< 1.7:1	360°	12°

Physical Specification

Subtype:	Collinear	Dimensions:	240 x 25 x 25
Input Ports:	1	Ingress Protection:	IP67
MIMO:	1x1 SISO	Materials:	Fibreglass (GRP), Stainless Steel (303)
Min. Operating Temperature:	-40 °C	Mounting:	Pole Clamp 25 to 63 mm
Max. Operating Temperature:	85 °C	Weight:	0.3 kg

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