

SENCITY® Spot-M 2x2 WiFi MIMO Antenna

1356.17.0093

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 5150 and 5875 MHz
- Gain of 19 dBi with Vertical and Horizontal Polarisation (or Dual Slant depending on mounting orientation)
- Half power beamwidth of 17° (vertical) and 17° (Horizontal)
- For both indoor and outdoor mounting with IP rating IP67



Electrical data		
	Band 1	Band 2
Frequency	5150 MHz ... 5725 MHz	5725 MHz ... 5875 MHz
Impedance	50 Ω	50 Ω
VSWR	1.7	1.7
Gain	19 dBi	19.5 dBi
HPBW vertical	17 °	17 °
HPBW horizontal	17 °	17 °
Isolation between Ports	30 dB	30 dB
Front to back ratio	30 dB	30 dB
Co/Crosspolar Ratio	20 dB	20 dB
Vertical Electrical Tilt	0 °	0 °
Ambient Temperature	25 °C	25 °C
Composite Power max	6 W	6 W

Ports		
	Port 1	Port 2
Port name	HOR	VER
Connector	N, jack (female)	N, jack (female)
Polarization	linear	linear

SENCITY® Spot-M 2x2 WiFi MIMO Antenna

1356.17.0093

Connections		
	Port 1	Port 2
Port name	HOR	VER
Band 1	✓	✓
Band 2	✓	✓

Mechanical data	
Weight	0.7 kg
Dimensions	190 mm x 190 mm x 30 mm (Height x Width x Depth)
Windload	front: 105 N at 160 km/h, lateral: 16 N at 160 km/h, Wind Speed survival: 220 km/h
Remarks	Antenna can be mounted and operated in two different polarization options: Dual-slant +/-45° when mounted at diamond shape orientation, or dual polarization vertical and horizontal when mounted up-right 0°/90° orientation. Both antenna orientations fit to the standard mounting bracket accessory, type No. 9091.99.0201.

Material data	
Radome material	Plastic
Radome colour	RAL 9002 (grey-white)
Back plate/base plate material	Aluminum

Environmental data	
Operation temperature	-55 °C ... 70 °C
Storage temperature	-55 °C ... 70 °C
Transport temperature	-55 °C ... 70 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67

Environmental remarks	
Low temperature IEC 60068-2-1 72h -55°C High temperature IEC 60068-2-2 72h +71°C Temperature cycling IEC 60068-2-14 1h -45 to +70°C 3 cycles Humidity ETSI EN300-2-4 T4.1E 144h 95% Solar radiation ASTM G53 1000 h Salt spray IEC 60068-2-11 Ka 500 h Mechanical shock IEC 60721-3-4 4M3 Vibration IEC 60721-3-4 30 min/axis random 4M3	

Additional Information	
Antenna dimensions, ports and functions are identical to the SENCITY Spot-M antenna item 1356.17.0023 (www.hubersuhner.com/ProdDat/84018715) and therefore can meet identical standards and norms.	

Antenna accessories		
Item description	Item number	Product name
9091.99.0201	84018626	SENCITY Planar Antenna Downtilt Bracket

Ordering information		
Item description	Item number	Product name
1356.17.0093	85094773	SENCITY® Spot-M 2x2 WiFi MIMO Antenna

SENCITY® Spot-M 2x2 WiFi MIMO Antenna

1356.17.0093

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P3282 / Date of publication: 13.08.2025 / uncontrolled copy