

SENCITY® Spot-M 2x2 WiFi MIMO Antenna
1356.17.0023

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
- Integrated N female interfaces



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

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

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

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	Connection ports: Two connectors on the back plane - one per each polarization

Material data	
Radome material	PC (Polycarbonate)
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
Flammability rating	UL 94-HB
Solar radiation	ASTM 653-96

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	

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
1356.17.0023	84018715	SENCITY® Spot-M 2x2 WiFi MIMO Antenna

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