

SENCITY® Spot-M SISO WiFi Antenna

1356.17.0024

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 5150 and 5950 MHz
- Gain of 19 dBi with Vertical Polarisation
- Half power beamwidth of 18° (vertical) and 18° (Horizontal)
- Mounting brackets for wall or pole mounting sold separately
- Integrated N female interfaces

**Electrical data**

	Band 1	Band 2	Band 3	Band 4
Frequency	5150 MHz ... 5250 MHz	5250 MHz ... 5350 MHz	5350 MHz ... 5725 MHz	5725 MHz ... 5875 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.9	1.9	1.9	1.9
Gain	18 dBi	19 dBi	18.5 dBi	18 dBi
HPBW vertical	18 °	18 °	18 °	18 °
HPBW horizontal	18 °	18 °	18 °	18 °
Front to back ratio	30 dB	30 dB	30 dB	30 dB
Vertical Electrical Tilt	0 °	0 °	0 °	0 °
Ambient Temperature	25 °C			
Composite Power max	6 W			

	Band 5
Frequency	5875 MHz ... 5950 MHz
Impedance	50 Ω
VSWR	2
Gain	17.5 dBi
HPBW vertical	18 °
HPBW horizontal	18 °
Front to back ratio	30 dB
Vertical Electrical Tilt	0 °
Ambient Temperature	
Composite Power max	

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Ports	
	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

Connections	
	Port 1
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓
Band 5	✓

Mechanical data	
Weight	0.7 kg
Dimensions	190 mm x 190 mm x 30 mm (Height x Width x Depth)
Windload	front: 104 N at 160 km/h, lateral: 16 N at 160 km/h, Wind Speed survival: 220 km/h

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

Environmental data	
Operation temperature	-45 °C ... 70 °C
Storage temperature	-45 °C ... 70 °C
Transport temperature	-55 °C ... 71 °C
Environment (application)	Outdoor
Ingress protection (IP Rating)	IP67
Flammability rating	UL 94-HB

Environmental remarks	
Temperature condition low -55°, IEC 60068-2-1 Temperature condition high +71°, IEC 60068-2-2 Temperature cycling IEC 60068-2-14 1h -45°C to +70°C 3 cycles Salt spray IEC 60068-2-11 Ka / 500 h Humidity ETSI EN300-2-4 T4.1E / 144h / 95% Solar radiation ASTM G53 / 1000 h Mechanical shock EC 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

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Ordering information		
Item description	Item number	Product name
1356.17.0024	84018716	SENCITY® Spot-M SISO WiFi Antenna

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