

SENCITY® Spot-M 2x2 WiFi MIMO Antenna
1324.17.0117

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 2300 and 2700 MHz
- Supports 2X2 WiFi MIMO
- 14 dBi high gain version
- Half power beamwidth of 35° (vertical) and 35° (Horizontal)
- Integrated N female interfaces



Electrical data		
	Band 1	
Frequency	2300 MHz ... 2700 MHz	
Impedance	50 Ω	
VSWR	2	
Gain	14 dBi	
HPBW vertical	35 °	
HPBW horizontal	35 °	
Isolation between Ports	20 dB	
Front to back ratio	25 dB	
Co/Crosspolar Ratio	15 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
DC grounded	Yes	Yes

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

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Mechanical data	
Weight	0.5 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

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
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 4M5 Vibration IEC 60721-3-4 30 min/axis random 4M5

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
1324.17.0117	85104342	SENCITY® Spot-M 2x2 WiFi MIMO Antenna

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