

SENCITY® Road IC MIMO Antenna

1399.19.0186

Properties

- Supports 2x2 MIMO for Wi-Fi and ready for Wi-Fi 6E
- Single hole mounting, low profile and vandalism proof.
- Works without metal ground plane
- ISO 16750, ECE-R118 compliant
- 0.5m of cable and SMA connector
- Supports 2x2 Cellular MIMO in 2.3 / 2.6 / 3.5 GHz bands



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Frequency	2300 MHz ... 2500 MHz	2500 MHz ... 2690 MHz	3400 MHz ... 4200 MHz	4900 MHz ... 5975 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.8	1.7	2	1.7
Gain	5 dBi	5 dBi	6 dBi	7 dBi
Isolation between Ports	15 dB	15 dB	17 dB	17 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	40 W	40 W	40 W	30 W

	Band 5
Frequency	5975 MHz ... 7125 MHz
Impedance	50 Ω
VSWR	1.8
Gain	7 dBi
Isolation between Ports	18 dB
Ambient Temperature	25 °C
Composite Power max	20 W

Ports	
Port name	Cell / WiFi 1 to 2 (white)
Connector	SMA, plug (male)
Cable type	ENVIROFLEX_316_D-AM
Cable length	0.5 m

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Ports		
Polarization	vertical	
DC grounded	Yes	
Connections		
Port name	Cell / WiFi 1 to 2 (white)	
Band 1		
Band 2		
Band 3		
Band 4		
Band 5		
Mechanical data		
Weight	0.9 kg	
Dimensions	33.2 mm x 145 mm (Height x Diameter)	
Mounting breakthrough	Ø 29 mm	
Material data		
Radome material	Reinforced PC (Polycarbonate)	
Radome colour	RAL 7044 (grey)	
Environmental data		
Operation temperature	-40 °C ... 85 °C	
Storage temperature	-40 °C ... 85 °C	
Transport temperature	-40 °C ... 85 °C	
Ingress protection (IP Rating)	IP68, IP69	
Flammability rating	ECE-R118	
Solar radiation	DIN 75220	
Environmental remarks		
Environmental tests: ISO 16750:2010		
CE-Mark		
Ordering information		
Item description	Item number	Product name
1399.19.0186	85161177	SENCITY® Road IC MIMO Antenna

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