

SENCITY® Road MIMO Antenna

1399.99.0178

Properties

- Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck.
- Supports WiFi 2.4, 5 GHz and WiFi 6E in 3x3 MIMO configurations
- Single hole mounting, easy cabling feed-through
- Works also on non-metallic surfaces.



Electrical data

	Band 1	Band 2
Frequency	2400 MHz ... 2690 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω
VSWR	2	2
Gain	6 dBi	7 dBi
Isolation between Ports	14 dB	22 dB
Ambient Temperature	25 °C	25 °C
Composite Power max	40 W	30 W

Ports

	Wifi 1 (blue)	WiFi 2 (blue)	WiFi 3 (blue)
Connector	SMA, jack (female)	SMA, jack (female)	SMA, jack (female)
Cable type	ENVIROFLEX_316_D-AM	ENVIROFLEX_316_D-AM	ENVIROFLEX_316_D-AM
Cable length	0.21 m	0.24 m	0.28 m
Polarization	vertical	vertical	vertical
DC grounded	No	No	No

Connections

	Wifi 1 (blue)	WiFi 2 (blue)	WiFi 3 (blue)
Band 1	✓	✓	✓
Band 2	✓	✓	✓

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Mechanical data	
Weight	0.41 kg
Dimensions	82 mm x 83 mm x 208 mm (Height x Width x Depth)
Mounting breakthrough	Ø 30 mm

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7043 (dark grey)
Back plate/base plate material	Aluminium

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP68, IP69k
Flammability rating	ECE-R118
Solar radiation	DIN 75220
Standards	Automotive ISO 16750

Environmental remarks	
Low corrosion designed acc. to MIL-F-14072D	
E-Mark	
CE-Mark	

Ordering information		
Item description	Item number	Product name
1399.99.0178	85158316	SENCITY® Road MIMO Antenna

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