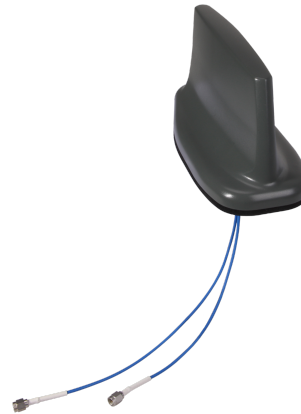


SENCITY® Road MIMO Antenna

1399.99.0179

Properties

- Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck.
- Supports 2G/3G/4G/5G cellular in 2x2 MIMO configuration.
- Single hole mounting, easy cabling feed-through
- Works also on non-metallic surfaces



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Frequency	694 MHz ... 790 MHz	790 MHz ... 960 MHz	1710 MHz ... 2170 MHz	2400 MHz ... 2690 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.8	1.8	1.8	1.8
Gain	4 dBi	4.5 dBi	5 dBi	5 dBi
Isolation between Ports	12 dB	12 dB	15 dB	16 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	40 W	40 W	40 W	40 W

	Band 5	Band 6
Frequency	3400 MHz ... 3800 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω
VSWR	1.6	1.6
Gain	6 dBi	6.5 dBi
Isolation between Ports	18 dB	19 dB
Ambient Temperature	25 °C	25 °C
Composite Power max	30 W	25 W

Ports		
	Cell 1 (white)	Cell 2 (white)
Connector	SMA, plug (male)	
Cable type	ENVIROFLEX_316_D-AM	ENVIROFLEX_316_D-AM
Cable length	0.15 m	0.19 m
Polarization	vertical	vertical
DC grounded	No	

SENCITY® Road MIMO Antenna

1399.99.0179

Connections		
	Cell 1 (white)	Cell 2 (white)
Band 1	✓	✓
Band 2	✓	✓
Band 3	✓	✓
Band 4	✓	✓
Band 6	✓	✓

Mechanical data	
Weight	0.5 kg
Dimensions	98 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	
ECE-R10	
E-Mark	
CE-Mark	

Antenna accessories		
Item description	Item number	Product name
9091.99.0250	84124410	Metal ground plane foil 0.6x0.6m

Ordering information		
Item description	Item number	Product name
1399.99.0179	85152321	SENCITY® Road MIMO Antenna

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P35201 / Date of publication: 20.08.2025 / uncontrolled copy