

SEN CITY® Road MULTI Antenna

1399.19.0406

Properties

- Supports 2G/3G/4G/5G cellular, Wifi 2.4/5 GHz, Wifi 6E
- 6 separate ports for 2x2 cellular MIMO and 4x4 Wifi MIMO
- Meets ISO16750 automotive standard
- Single hole mounting, easy cabling feed-through
- Fire retardant acc. to ECE-R118

**Electrical data**

	Band 1	Band 2	Band 3	Band 4
Name	Cellular	Cellular	Cellular	Cellular
Frequency	617 MHz ... 960 MHz	1350 MHz ... 2700 MHz	3300 MHz ... 4200 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2	2.1	2	2
Gain	2 dBi	4 dBi	4 dBi	5 dBi
Isolation between Ports	9 dB	18 dB	15 dB	18 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
Name	WiFi	WiFi
Frequency	2400 MHz ... 2500 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω
VSWR	2	2
Gain	6 dBi	6 dBi
Isolation between Ports	24 dB	24 dB
Ambient Temperature	25 °C	25 °C
Composite Power max	30 W	30 W

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Electrical remarks

Remarks	Ground plane: Indicated VSWR values are valid for a metallic ground plane of 0.5 x 0.5m or larger and Isolation is provided as typical values. Indicated VSWR values are mostly valid for installations on non-metallic surfaces also (no specific ground plane requirements). Indicated gain values will be achieved on a metallic ground plane of 1x1 m or larger.
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Ports

	Port 1 to 2	Port 3 to 6
Port name	Cell 1-2 (white)	WiFi 1-4 (blue)
Connector	SMA, plug (male)	SMA, plug (male)
Cable type	ENVIROFLEX_316_D-AM	ENVIROFLEX_316_D-AM
Cable length	0.3 m	0.3 m
Polarization	vertical	vertical
DC grounded	Yes	Yes

Connections

	Port 1 to 2	Port 3 to 6
Port name	Cell 1-2 (white)	WiFi 1-4 (blue)
Band 1	✓	
Band 2	✓	
Band 3	✓	
Band 4	✓	
Band 5		✓
Band 6		✓

Mechanical data

Weight	1.1 kg
Dimensions	60 mm x 210 mm (Height x Diameter)
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
Environment (application)	Outdoor
Ingress protection (IP Rating)	Mated / IP68, IP69k
Flammability rating	ECE-R118
Solar radiation	DIN 75220

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Environmental remarks

Environmental tests: ISO 16750:2012/2010

Low corrosion designed acc. to MIL-F-14072D

E-Mark

CE-Mark

Ordering information

Item description	Item number	Product name
1399.19.0406	85192469	SENCITY® Road MULTI Antenna

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DOCUMENT PIM-P35219 / Date of publication: 04.06.2025 / uncontrolled copy