

SENCITY® Road MULTI Antenna

1399.19.0404

Properties

- Supports 2G/3G/4G/5G cellular, Wifi 2.4/5 GHz, Wifi 6E
- 5 separate ports for 2x2 cellular MIMO and 3x3 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

SENCITY® Road MULTI Antenna

1399.19.0404

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 1 x 1 m or larger.

Ports		
	Port 1 to 2	Port 3 to 5
Port name	Cell 1-2 (white)	WiFi 1-3 (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 5
Port name	Cell 1-2 (white)	WiFi 1-3 (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

SENCITY® Road MULTI Antenna
1399.19.0404

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
1399.19.0404	85192466	SENCITY® Road MULTI 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-P35216 / Date of publication: 19.08.2025 / uncontrolled copy