

SEN CITY® Tram MULTI Antenna

1399.19.0234

Properties

- Supports Wifi 2.4/5 GHz, Wifi 6E
- 6 separate ports for 6x6 Wifi MIMO
- Meets EN50155 railway standard
- Fire retardant acc. to EN45545-2 and NFPA-130
- Single hole mounting, easy cabling feed-through

**Electrical data**

	Band 1	Band 2
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

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 6
Port name	Wi-Fi 1-6 (blue)
Connector	SMA, plug (male)
Cable type	RADOX_RF_316_D
Cable length	0.3 m
Polarization	vertical
DC grounded	Yes

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Connections

	Port 1 to 6
Port name	Wi-Fi 1-6 (blue)
Band 1	<input checked="" type="checkbox"/>
Band 2	<input checked="" type="checkbox"/>

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 9017 (black)
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	EN 45545-2
Solar radiation	NFPA-130
	DIN 75220

Environmental remarks

Environmental tests: EN50155:2018-05
 High-voltage protection: EN50124-1:2017-03
 Low corrosion designed acc. to MIL-F-14072D
 CE-Mark

Ordering information

Item description	Item number	Product name
1399.19.0234	85185409	SENCITY® Tram MULTI Antenna

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