

SENCITY® Omni-SR 6x6 MIMO Antenna

1399.35.0020

Properties

- Compact omni-directional MIMO indoor antenna for Wi-Fi applications
- Supports 6x6 Wi-Fi MIMO in all Wi-Fi 6E bands
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant according to EN 45545-2 and NFPA130
- Contains six RF ports QMA (female) embedded on the rear side



Electrical data			
	Band 1	Band 2	Band 3
Frequency	2400 MHz ... 2690 MHz	5150 MHz ... 5935 MHz	5935 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	2	2	2
Gain	4 dBi	4 dBi	4 dBi
HPBW horizontal	360 °	360 °	360 °
Isolation between Ports	12 dB	20 dB	20 dB
Ambient Temperature	25 °C	25 °C	25 °C
Composite Power max	40 W	30 W	30 W

Ports				
	Port 1	Port 2	Port 3	Port 4
Port name	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi
Connector	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)
Polarization	vertical	vertical	vertical	vertical
DC grounded	Yes	Yes	Yes	Yes

	Port 5	Port 6
Port name	Wi-Fi	Wi-Fi
Connector	QMA, jack (female)	QMA, jack (female)
Polarization	vertical	vertical
DC grounded	Yes	Yes

SENCITY® Omni-SR 6x6 MIMO Antenna

1399.35.0020

Connections						
	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
Port name	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi
Band 1	✓	✓	✓	✓	✓	✓
Band 2	✓	✓	✓	✓	✓	✓
Band 3	✓	✓	✓	✓	✓	✓

Mechanical data	
Weight	0.32 kg
Dimensions	31 mm x 91.8 mm x 281.8 mm (Height x Width x Depth)
Remarks	Low corrosion design acc. to MIL-F-14072(E).

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (grey)
Back plate/base plate material	Aluminum
Back plate/base plate plating	Passivated (Plating)

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor
Ingress protection (IP Rating)	Mated / IPX5
Flammability rating	EN 45545-2 R24 HL3
Solar radiation	UL 746C, FI

Environmental remarks	
Environmental tests: EN 50155:2018-05	
Flammability rating: EN45545-2:2013 + A1:2015, NFPA-130:2017	
Tested according to ISO 4589-2:2017, NFX 70-100-1:2006, ISO 5659-2:2011	

Ordering information		
Item description	Item number	Product name
1399.35.0020	85150815	SENCITY® Omni-SR 6x6 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-P3222 / Date of publication: 20.08.2025 / uncontrolled copy