

SENCITY® Omni-SR 3x3 MIMO Antenna

1399.35.0002

Properties

- Compact omni-directional MIMO indoor antenna for Wi-Fi applications
- Supports 3x3 Wi-Fi MIMO in all Wi-Fi 7 bands
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to EN45545-2 and NFPA-130
- Contains three 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 | 1.5 | 1.5 | 1.8 |
| Gain | 4 dBi | 6 dBi | 6 dBi |
| HPBW horizontal | 360 ° | 360 ° | 360 ° |
| Isolation between Ports | 20 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 name | Wi-Fi | Wi-Fi | Wi-Fi |
| Connector | QMA, jack (female) | QMA, jack (female) | QMA, jack (female) |
| Polarization | vertical | vertical | vertical |
| DC grounded | Yes | Yes | Yes |

| Connections | | | |
|-------------|--------|--------|--------|
| | Port 1 | Port 2 | Port 3 |
| Port name | Wi-Fi | Wi-Fi | Wi-Fi |
| Band 1 | ✓ | ✓ | ✓ |
| Band 2 | ✓ | ✓ | ✓ |

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| Connections | | |
|-------------|---|---|
| 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 |

| Environmental data | |
|---------------------------|------------------|
| Operation temperature | -40 °C ... 85 °C |
| Storage temperature | -40 °C ... 85 °C |
| Transport temperature | -40 °C ... 85 °C |
| Environment (application) | Indoor |
| Flammability rating | EN 45545-2 |

| Environmental remarks | |
|---|--|
| Flammability rating: N 45545-2, NFPA130 | |
| IP rating IPX4 | |
| High-voltage-protection: Designed acc. to UIC 533 | |
| Environmental compliance: EN50155:2022 | |

| Additional Information | |
|--|--|
| Antenna is identical to 1399.35.0008 but with radome colour RAL 7044 (grey). | |

| Ordering information | | |
|----------------------|-------------|--------------------------------------|
| Item description | Item number | Product name |
| 1399.35.0002 | 84123697 | SENCITY® Omni-SR 3x3 MIMO Antenna |

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