

**SENCITY® Omni-SR 3x3 MIMO Antenna**

1399.35.0008

**Properties**

- Compact omni-directional MIMO indoor antenna for Wi-Fi applications
- Supports 3x3 Wi-Fi MIMO in all Wi-Fi 6E bands
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2, NFPA130
- 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 9010 (white)   |
| 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           |
| Ingress protection (IP Rating) | IPX5             |
| Flammability rating            | EN 45545-2       |

| Environmental remarks                                         |
|---------------------------------------------------------------|
| Flammability rating: DIN 5510-2, BS 6853, EN 45545-2, NFPA130 |
| High-voltage-protection: Designed acc. to UIC 533             |
| Environmental compliance: EN50155:2007                        |

| Additional Information                                                        |
|-------------------------------------------------------------------------------|
| Antenna is identical to 1399.35.0002 but with radome colour RAL 9010 (white). |

| Ordering information |             |                                      |
|----------------------|-------------|--------------------------------------|
| Item description     | Item number | Product name                         |
| 1399.35.0008         | 85089336    | SENCITY® Omni-SR<br>3x3 MIMO Antenna |

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