

SENCITY® Omni-S 3x3 WiFi MIMO Antenna 1399.99.0125

Description

Small omni-directional MIMO antenna for WiFi + LTE 2600 applications
 Dual band WiFi / WLAN and LTE 2600 3 x 3 MIMO antenna
 Supports the 2.4 GHz and 5 GHz and LTE 2.5 to 2.7 GHz bands
 Three ports each with broad-band antenna radiator technology
 IEEE 802.11 b/g/a/h/p and 802.11 n / ac
 For industrial indoor environment - IP65 protected



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 |
|--------------------------|-------------|-------------|
| Frequency (MHz) | 2400 - 2690 | 5150 - 5935 |
| VSWR | 1.7 | 1.7 |
| Impedance (Ohm) | 50 | 50 |
| Gain (dBi) | 5 | 6 |
| 3dB beamwidth (h) (°) | 360 | 360 |
| 3dB beamwidth (v) (°) | 65 | 65 |
| Composite power max (W) | 40 | 30 |
| Ambient temperature (°C) | 25 | 25 |
| Port Isolation (dB) | 20 | 20 |

Ports

| | Port 1 | Port 2 | Port 3 |
|-------------------------|--------------------------|--------------------------|--------------------------|
| Connector | SMA-reverse, plug (male) | SMA-reverse, plug (male) | SMA-reverse, plug (male) |
| Cable Type | S_04262_D-09 | S_04262_D-09 | S_04262_D-09 |
| Cable Length (m) | 0.9 | 0.9 | 0.9 |
| Min. radius static (mm) | 26 | 26 | 26 |
| Polarization | vertical | vertical | vertical |
| DC grounded | Yes | Yes | Yes |

Connections

| | Band 1 | Band 2 |
|--------|--------|--------|
| Port 1 | X | X |
| Port 2 | X | X |
| Port 3 | X | X |

General Data

Three cable pigtails with connector SMA reverse (male) directly attached to the antenna body

Mechanical Data

Dimensions (mm) 32 x 282 x 92 (Height x Width x Depth)
 Weight (kg) 0.6

Environmental Data

Environmental conditions indoor
 Operation temperature (°C) -40 to 85
 Operating conditions ETSI EN 300 019-2-3 V2.2.2 (2003-04) T3.3
 Storage temperature (°C) -40 to 85

SENCITY® Omni-S 3x3 WiFi MIMO Antenna 1399.99.0125

| | |
|--|------------------------|
| Transport temperature (°C) | -40 to 85 |
| IP rating | IP65 |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |
| Lead-free soldered | yes |
| WEEE 2012/19/EU | special marking needed |
| REACH 1907/2006/EC | compliant |

Vibration and mechanical shock: ETSI EN 300-19-2-3 T3.3

Flammability rating antenna radome: UL 94 V0 / RF pigtail cable: UL 1581 § 1080 (VW-1)

UV protection antenna: UL746C f1 / RF pigtail cable: ISO 4892-2A

Material Data

| | |
|--------------------------------|--------------------|
| Radome colour | RAL 9010 (white) |
| Radome material | PC (Polycarbonate) |
| Back plate/base plate material | Aluminium |

Related Products

9091.99.0240 Ceiling Bracket_Mimo Omni

Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000325773 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00175451 |
| 3D-model | DOC-0000774678 |