

## SENCITY® Omni-S 3x3 WiFi MIMO Antenna 1399.17.0208

### 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)	50	30
Ambient temperature (°C)	25	25
Port Isolation (dB)	20	20

#### Ports

	Port 1	Port 2	Port 3
Connector	N, plug (male)	N, plug (male)	N, 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)	28	28	28
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 pigtailed with connector N (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  
 Transport temperature (°C) -40 to 85  
 IP rating IP65

## SENCITY® Omni-S 3x3 WiFi MIMO Antenna 1399.17.0208

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-00147451
3D-model	DOC-0000322462