

## SENCITY® Spot-S

1357.17.0001

### Description

Small directional, linear polarized Wi-Fi 6E antenna with 9 dBi gain.

Supports 2x2 MIMO antenna configuration

Supports the Wi-Fi 6E frequency range from 5 GHz till 7.125 GHz

For outdoor and indoor applications

Ingress protection IP 66 and IP 67

Wall mounting material included



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2
Frequency (MHz)	5000 - 5500	5500 - 7125
VSWR	2	2
Impedance (Ohm)	50	50
Gain (dBi)	8	8
3dB beamwidth (h) (°)	70	70
3dB beamwidth (v) (°)	65	65
Composite power max (W)	30	30
Ambient temperature (°C)	25	25
Front to back ratio (dB)	15	15
Port Isolation (dB)	20	20

#### Ports

	Port 1	Port 2
Connector	N, jack (female)	N, jack (female)
Polarization	-45° slant	+45° slant
DC grounded	Yes	Yes

#### Connections

	Band 1	Band 2
Port 1	X	X
Port 2	X	X

#### General Data

##### Mechanical Data

Dimensions (mm)	101 x 81 x 36 (Height x Width x Depth)
Weight (kg)	0.11
Windload	frontal: 15 N at 160 km/h , Wind speed survival: 220 km/h
Included mounting material	Wall mounting material

##### Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-40 to 85
Storage temperature (°C)	-40 to 85
Transport temperature (°C)	-40 to 85
Flammability rating	EN 45545-2

## SENCITY® Spot-S

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2011/65/EU (RoHS - including  
2015/863 and 2017/2102)

compliant

Lead-free soldered  
WEEE 2012/19/EU  
REACH 1907/2006/EC

yes  
special marking needed  
compliant

FLAMMABILITY: EN 45545-2 (2013) HL3 and NFPA130 (2013), also BS 6853 and DIN 5510-2

ENVIRONMENT: EN 50155 (2016) and EN 50125-3 (2003), also EN 60068 related

IP RATING: IP 66 / IP 67 (IEC 60529)

SOLAR RADIATION: EN 50125-3:2004 §4.9, 1120 W/m<sup>2</sup> for 20h

AIR PRESSURE: EN 50125-3:2004 §4.2, Altitude Class A1 (up to 1400m)

AIR PULE PRESSURE: EN 50125-3:2004 §4.2, 1 kPa/s

RAIN: EN 50125-3:2004 §4.6, delivery rate: 6 mm/min

VIBRATION / SHOCK: EN 50125-3:2004 §4.13, position profile: "outside the track"

POLLUTION: EN 50125-3:2004 §4.11, pollution levels: 4B1, 4S1

CORROSION: MIL-F-14072 E Type 1 "exposed"

MECHANICAL IMPACT (HAMMER IMPACT): EN 60068-2-75 (IEC 62262/2002-02 IK06)

### Material Data

Radome colour RAL 7044 (grey)  
Radome material PC (Polycarbonate)

### Related Products

9091.99.0238 SPOT-S Antenna Down- and Sidetilt Bracket

9091.99.0237 L-Bracket for SPOT-S antennas

### Related Documents

Mounting instruction DOC-0001178468  
Painting instruction DOC-0000256180  
Security instruction DOC-0000278984  
Outline Drawing DOU-01177590  
3D Model DOC-0000339646

### Additional Information

Following Declaration of Conformity for SENCITY Spot-S antennas are available on request: \* Industrial standards EN 60068 / EN 60529 / IEC 61373: Ref. DOC-0000318049