

SENCITY® Spot-S 3 x 3 WiFi MIMO Antenna 1356.17.0078

Description

Directional, planar, linear polarized WiFi MIMO antenna
IEEE 802.11 a/h/n, 3 x 3 MIMO with 3 pigtail ports
WLAN 5 GHz band 5.15 up to 5.935 GHz
For outdoor or indoor applications IP66 / 67

Wall mounting material included



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	5150 - 5935
VSWR	1.7
Impedance (Ohm)	50
Gain (dBi)	8
3dB beamwidth (h) (°)	65
3dB beamwidth (v) (°)	65
Composite power max (W)	30
Ambient temperature (°C)	25
Vertical electrical tilt (°)	0
Port Isolation (dB)	20

Ports

	Port 1	Port 2	Port 3
Connector	N, plug (male)	N, plug (male)	N, plug (male)
Cable Type	SUCOFORM_86_LSF H	SUCOFORM_86_LSF H	SUCOFORM_86_LSF H
Cable Length (m)	0.9	0.9	0.9
Min. radius static (mm)	6	6	6
Polarization	-45° slant	vertical	+45° slant

Connections

	Band 1
Port 1	X
Port 2	X
Port 3	X

General Data

MIMO antenna polarization: 3 x linear: vertical / dual-slant $\pm 45^\circ$

Electrical data (VSWR, gain and beam width) is derived from the vertical polarized radiator. Reference of gain is exit point of pigtails on cable glands.

Mechanical Data

Dimensions (mm)	101 x 81 x 36 (Height x Width x Depth)
Weight (kg)	0.27

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Windload
Included mounting material

frontal: 15 N at 160 km/h , Wind speed survival: 220 km/h
Wall mounting material

Radome material: LEXAN EXL 9330

Environmental Data

Environmental conditions	outdoor
Operation temperature (°C)	-40 to 85
Operating conditions	ETSI EN 300 019-2-4 V2.2.2 (2003-04) T4.1E
Storage temperature (°C)	-40 to 85
Transport temperature (°C)	-40 to 85
Flammability rating	UL 94-V0
Solar radiation	UL 746C, F1
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

Ingress protection: IP66 and IP67 according to EN 60529

Vibration and mechanical shock: IEC 61373, Kat. 2

Flammability rating antenna: UL 94-V0 / RF cable pigtail: UL 1581

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-0000287053
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00143397
3D-model	DOC-0000339647