

# SENCITY® Spot-M



## Features:

- Linear polarised directional WiFi antenna
- IEEE 802.11 b/g WLAN
- Frequency band 2.3 to 2.7 GHz
- For outdoor applications IP67

## Specifications

<b>Electrical data</b>			
Frequency (MHz)	2300 to 2400	2400 to 2500	2500 to 2700
VSWR	1.9	1.9	1.9
Gain (dBi)	14	14.5	15
3 dB beamwidth (h) (°)	32	32	32
3 dB beamwidth (v) (°)	32	32	32
Front to back ratio (dB)	26	26	26
Sidelobes (h)	ETSI EN 301 525 V1.1.1 (2000-06)		
Sidelobes (v)	ETSI EN 301 525 V1.1.1 (2000-06)		

  

<b>General data</b>	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	6

  

<b>Mechanical data</b>	
Dimensions (height × width × depth)	190 × 190 × 30 mm (7.48 × 7.48 × 1.18 in)
Weight	0.5 kg (1.10 lbs)
Connector	N (female)

  

<b>Environmental data</b>	
Environment	outdoor
Operation temperature (°C)	-45 to 71
RoHS 2011/65/EU	compliant
IP rating	IP67

  

<b>Material data</b>	
Radome colour	RAL 9002 (grey-white)
Radome material	Plastic
Back/base plate material	Aluminium

## Ordering information

Description	Item no.	Version
1324.17.0051	84018384	N (female)

# SENCITY® Spot-M 2×2 MIMO



## Features:

- Directional, planar, dual linear vertical and horizontal polarized WiFi antenna
- For 2×2 WiFi MIMO configuration - WLAN WiFi IEEE 802.11 b/g/n/ac
- Frequency bands for 2.3 to 2.7 GHz per each port, high gain 14 dBi
- For outdoor or indoor applications
- Ingress protection IP67

## Specifications

Electrical data	
Frequency (MHz)	2300 to 2700
VSWR	2
Gain (dBi)	14
3 dB beamwidth (h) (°)	35
3 dB beamwidth (v) (°)	35
Front to back ratio (dB)	25
Isolation (dB)	30

General data	
Nominal impedance ( $\Omega$ )	50
Polarisation	horizontal and vertical
Composite power max. (W)	6

Mechanical data	
Dimensions (height × width × depth)	190 × 190 × 30 mm (7.48 × 7.48 × 1.18 in)
Weight	0.5 kg (1.10 lbs)
Connector	N (female)

Environmental data	
Environment	outdoor
Operation temperature (°C)	-45 to 71
RoHS 2011/65/EU	compliant
IP rating	IP67

Material data	
Radome colour	RAL 9002 (grey-white)
Radome material	Plastic
Back/base plate material	Aluminium

## Ordering information

Description	Item no.	Version
1324.17.0117	85104342	N (female)

# SENCITY® Spot-M



## Features:

- Linear vertical polarised, directional WiFi antenna
- WiFi IEEE 802.11 a/h; WLAN
- Frequency band 5.15 to 5.95 GHz
- High gain antenna 18 to 19 dBi
- Ingress protection IP67 (IEC 60529)
- For outdoor and indoor applications

## Specifications

Electrical data					
Frequency (MHz)	5150 to 5250	5250 to 5350	5350 to 5725	5725 to 5875	5875 to 5950
VSWR	1.9	1.9	1.9	1.9	2
Gain (dBi)	18	19	18.5	18	17.5
3 dB beamwidth (h) (°)	18	18	18	18	18
3 dB beamwidth (v) (°)	18	18	18	18	18
Front to back ratio (dB)	30	30	30	30	30

General data	
Nominal impedance ( $\Omega$ )	50
Polarisation	vertical
Composite power max. (W)	6

Mechanical data	
Dimensions (height x width x depth)	190 x 190 x 30 mm (7.48 x 7.48 x 1.18 in)
Weight	0.7 kg (1.54 lbs)
Connector	N (female)

Environmental data	
Environment	outdoor
Operation temperature (°C)	-45 to 70
RoHS 2011/65/EU	compliant
IP rating	IP67

Material data	
Radome colour	RAL 9002 (grey-white)
Radome material	Plastic
Back/base plate material	Aluminium

## Ordering information

Description	Item no.	Version
1356.17.0024	84018716	N (female)

# SENCITY® Spot-M



## Features:

- Planar antenna for 866 MHz ISM bands
- Gain: 8 dBi
- Polarisation: linear vertical
- Frequency range: 860 to 870 MHz
- Half power beamwidth: 65 ° / 70 ° (vert./hor.)

## Specifications

Electrical data	
Frequency (MHz)	865 to 870
VSWR	1.3
Gain (dBi)	8
3 dB beamwidth (h) (°)	70
3 dB beamwidth (v) (°)	65
Front to back ratio (dB)	-20
Sidelobes (v)	20

  

General data	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	6

  

Mechanical data	
Dimensions (height × width × depth)	190 × 190 × 30 mm (7.48 × 7.48 × 1.18 in)
Weight	0.8 kg (1.76 lbs)
Connector	N (female)

  

Environmental data	
Environment	outdoor
Operation temperature (°C)	-55 to 71
RoHS 2011/65/EU	compliant
IP rating	IP67

  

Material data	
Radome colour	RAL 9002 (grey-white)
Radome material	PP (Polypropylene)
Back/base plate material	Aluminium

## Ordering information

Description	Item no.	Version
1308.17.0071	84044175	N (female)

# SENCITY® Spot-M 2×2 MIMO



## Features:

- Directional, planar, dual linear vertical and horizontal polarized WiFi antenna
- For 2×2 WiFi MIMO configuration – WLAN WiFi IEEE 802.11 a/h/n
- Frequency bands for 5.15 to 5.875 GHz per each port, high gain 19 dBi
- For outdoor or indoor applications
- Ingress protection IP67

## Specifications

Electrical data	
Frequency (MHz)	5150 to 5875
VSWR	1.7
Gain (dBi)	19
Isolation (dB)	30
3 dB beamwidth (h) (°)	17
3 dB beamwidth (v) (°)	17
Front to back ratio (dB)	30
Co/Crosspolar ratio (dB)	20
Sidelobes (v)	ETSI EN 302 217-4-2 V1.5.1 CLASS 2

General data	
Nominal impedance ( $\Omega$ )	50
Polarisation	horizontal and vertical
Composite power max. (W)	6

Mechanical data	
Dimensions (height × width × depth)	190 × 190 × 30 mm (7.48 × 7.48 × 1.18 in)
Weight	0.7 kg (1.54 lbs)
Connector	N (female)

Environmental data	
Environment	outdoor
Operation temperature (°C)	-55 to 70
RoHS 2011/65/EU	compliant
IP rating	IP67

Material data	
Radome colour	RAL 9002 (grey-white)
Radome material	PC (Polycarbonate)
Back/base plate material	Aluminium

## Ordering information

Description	Item no.	Version
1356.17.0023	84018715	2 × N (female)
1356.17.0093	85094773	2 × N (female) – with 45° turned mounting option