

SENCITY® Spot-L



Features:

- Linear vertical or horizontal polarised directional WiFi antenna
- High gain 17.5 dBi with HPBW 20°
- IEEE 802.11 b/g WLAN
- Frequency band 2.3 to 2.7 GHz
- Mobile and LTE 2.7 GHz band
- For outdoor applications IP67 (IEC 60529)

Specifications

Electrical data				
Frequency (MHz)	2300 to 2400	2400 to 2500	2500 to 2600	2600 to 2700
VSWR	1.7	1.7	1.7	1.7
Gain (dBi)	15.5	17	17.5	18
3 dB beamwidth (h) (°)	20	20	20	20
3 dB beamwidth (v) (°)	20	20	20	20
Front to back ratio (dB)	28	28	28	28
Co/Crosspolar ratio (dB)	20	20	20	20

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

Mechanical data	
Dimensions (height x width x depth)	305 x 305 x 25 mm (12.01 x 12.01 x 0.98 in)
Weight	1.2 kg (2.64 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
1324.17.0112	85017308	N (female)

SENCITY® Spot-L



Features:

- Planar antenna for 433 MHz ISM bands
- Gain: 9 dBi
- Polarisation: left circular
- Frequency range: 430 to 437 MHz
- Half power beamwidth: 68°/ 70° (vert./hor.)

Specifications

Electrical data	
Frequency (MHz)	430 to 437
VSWR	1.5
Gain (dBi)	9
3 dB beamwidth (h) (°)	68
3 dB beamwidth (v) (°)	70
Front to back ratio (dB)	10.5
Sidelobes (v)	ETSI EN 301 525 V1.1.1 (2000-06) TS1, TS2

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

Mechanical data	
Dimensions (height × width × depth)	371 × 371 × 40 mm (14.61 × 14.61 × 1.57 in)
Weight	2 kg (4.40 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	PC (Polycarbonate)
Back/base plate material	Aluminium

Ordering information

Description	Item no.	Version
1304.17.0008	84019339	N (female)

SENCITY® Spot-L 2×2 MIMO



Features:

- Directional, planar, dual linear vertical + horizontal polarized WiFi antenna
- WLAN IEEE 802.11 a/h/n/p
- Frequency band 4.9 to 6.1 GHz, 23 dBi high gain
- Including wireless access in vehicular environments IEEE 802.11p (5.85-5.925 GHz)
- Also for public safety wireless networks and WiFi band IEEE 802.11 a/h/n for Japan (4.9 GHz band)
- For outdoor applications
- Ingress protection IP67

Specifications

Electrical data		
Frequency (MHz)	4900 to 5150	5150 to 6100
VSWR	2	2
Gain (dBi)	22	23
Isolation (dB)	35	35
3 dB beamwidth (h) (°)	10	10
3 dB beamwidth (v) (°)	10	10
Front to back ratio (dB)	30	30

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

Mechanical data	
Dimensions (height × width × depth)	305 × 305 × 15 mm (12.01 × 12.01 × 0.59 in)
Weight	1.2 kg (2.64 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
1355.17.0001	85017310	2 × N (female)

SENCITY® Spot-L



Features:

- Linear vertical or horizontal polarized WiFi antenna
- Frequency band 4.9 to 5.875 GHz, 23 dBi, WLAN
- WiFi IEEE 802.11a/h/p standard
- High gain directional antenna
- For outdoor applications
- Ingress protection IP67 (IEC 60529)

Specifications

Electrical data		
Frequency (MHz)	4900 to 5150	5150 to 5875
VSWR	1.7	1.7
Gain (dBi)	22	23
3 dB beamwidth (h) (°)	9	9
3 dB beamwidth (v) (°)	9	9
Front to back ratio (dB)	35	35

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

Mechanical data	
Dimensions (height x width x depth)	305 x 305 x 15 mm (12.01 x 12.01 x 0.59 in)
Weight	1.2 kg (2.64 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
1354.17.0001	85017309	N (female)

SENCITY® Spot-L 3×3 MIMO



Features:

- Directional, planar, triple slant 3×3 WiFi MIMO antenna
- Frequency band 4.9 to 6.1 GHz, 18 dBi, WLAN
- WiFi IEEE 802.11a/h/n/p/ac standard
- For outdoor or indoor applications
- Ingress protection IP67

Specifications

Electrical data			
Frequency (MHz)	4900 to 5150	5150 to 6000	6000 to 6100
VSWR	1.8	1.8	1.8
Gain (dBi)	17	18	16
Isolation (dB)	35	35	30
3 dB beamwidth (h) (°)	20	20	15
3 dB beamwidth (v) (°)	20	20	12
Front to back ratio (dB)	30	30	30

General data	
Nominal impedance (Ω)	50
Polarisation	-45°/vertical/+45°
Composite power max. (W)	6

Mechanical data	
Dimensions (height × width × depth)	305 × 305 × 15 mm (12.01 × 12.01 × 0.59 in)
Weight	1.5 kg (3.30 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
1356.17.0090	85004909	3 × N (female)

SENCITY® Spot-L



Features:

- UHF RFID tag reader antenna
- RHCP right-hand circular polarized
- Frequency range: 865 to 870 MHz for ETSI applications
- Ruggedized conveyor belt portal antenna
- Ingress protection IP54 (IEC 60529)

Specifications

Electrical data	
Frequency (MHz)	865 to 870
VSWR	1.5
Gain (dBi)	12
3 dB beamwidth (h) (°)	62
3 dB beamwidth (v) (°)	30
Front to back ratio (dB)	20

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

Mechanical data	
Dimensions (height x width x depth)	650 x 320 x 32 mm (25.59 x 12.60 x 1.26 in)
Weight	2.8 kg (6.16 lbs)
Connector	N (female)

Environmental data	
Operation temperature (°C)	-55 to 71
RoHS 2011/65/EU	compliant
IP rating	IP54

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

Ordering information

Description	Item no.	Version
1308.17.0069	84039144	N (female)

SENCITY® Spot-L



Features:

- UHF RFID tag reader antenna
- RHCP right-hand circular polarized
- Frequency range: 902 to 928 MHz for FCC applications
- Ruggedized conveyor belt portal antenna
- Ingress protection IP54 (IEC 60529)

Specifications

Electrical data	
Frequency (MHz)	902 to 928
VSWR	1.5
Gain (dBi)	11
3 dB beamwidth (h) (°)	63
3 dB beamwidth (v) (°)	30
Front to back ratio (dB)	-20

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

Mechanical data	
Dimensions (height x width x depth)	650 x 320 x 32 mm (25.59 x 12.60 x 1.26 in)
Weight	2.8 kg (6.16 lbs)
Connector	N (female)

Environmental data	
Operation temperature (°C)	-55 to 71
RoHS 2011/65/EU	compliant
IP rating	IP54

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

Ordering information

Description	Item no.	Version
1309.17.0111	85018546	N (female)