

SENCITY® Omni-S SISO + 2x2 MIMO



Features:

- Omni-directional Cellular/4G LTE (EUR) SISO and WiFi 2x2 MIMO antenna
- Cellular/LTE 790-960, 1710-2170 and 2300-2690 MHz on one port
- WiFi dual-band 2400-2500, 4900-6000 and 3400-3800 MHz on two further ports
- Rugged and low profile cabinet and pole/wall mount antenna
- Single hole cabinet mounting, for outdoor & indoor applications
- Vandalism proof "IK10" acc. to IEC 62262/2002-02

Specifications

Electrical data	Cellular/LTE SISO			Wifi 2 x 2 MIMO		
Frequency (MHz)	790 to 930	930 to 960	1710 to 2690	2300 to 2690	3400 to 3800	4900 to 5975
VSWR	2.2	2.7	2.0	2.0	1.8	2.0
Gain (dBi)	4	4	5	5	6	6

General data	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	10

Mechanical data	
Dimensions (height x diameter)	33.2 x 145 mm (1.31 x 5.7 in)
Weight	0.32 kg (0.70 lbs)
Connector	SMA (male) / SMA-reverse (male)
Cable type	ENVIROFLEX_316_D

Environmental data	
Environment	outdoor
Operation temperature (°C)	-55 to 85
RoHS 2011/65/EU	compliant

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

Ordering information

Description	Item no.	Version
1399.19.0227	85080441	3 x pigtail with SMA (male)

SENCITY® Omni-S SISO + GNSS



Features:

- Omni-directional cellular/LTE and GNSS multi antenna
- Supporting 2G, 3G, 4G LTE 800 MHz up to LTE 2600 MHz
- Cellular/LTE (EUR) vertical polarized radiator for SISO scenario on one port
- Circular polarized GPS/Glonass antenna with LNA on second port
- Rugged and low profile cabinet and pole/wall mount antenna
- Single hole cabinet mounting, for outdoor & indoor applications
- Vandalism proof "IK10" acc. to IEC 62262/2002-02

Specifications

Electrical data	Band				GPS/Glonass
Frequency (MHz)	790 to 930	930 to 960	1710 to 2170	2300 to 2690	1574 to 1610
VSWR	2	2.5	1.7	1.7	1.8
Gain (dBi)	2	2	6	4	

General data	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	10

Mechanical data	
Dimensions (height x diameter)	33.2 x 145 mm (1.31 x 5.7 in)
Weight	0.35 kg (0.77 lbs)
Connector	SMA (male)
Cable type	ENVIROFLEX_316_D

Environmental data	
Environment	outdoor
Operation temperature ($^{\circ}\text{C}$)	-55 to 85
RoHS 2011/65/EU	compliant

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

Ordering information

Description	Item no.	Version
1399.19.0006	85016093	2 x pigtail with SMA (male)
1399.26.0053	85102127	2 x pigtail with TNC (female) / TNC-R (female)

SENCITY® Omni-S 3x3 MIMO



Features:

- Omni-directional 3x3 WiFi MIMO and LTE 2300, 2600 and 3500 MHz antenna
- Rugged and low profile cabinet and pole/wall mount antenna
- Supports WiFi dual-band 2.4 to 2.5/4.9 to 6 GHz, IEEE 802.11 b/g/a/h/p/n/ac
- And cellular LTE 2300, 2500, 2600 and 3500 MHz band configurations
- Single hole cabinet mounting, for outdoor and indoor applications
- Vandalism proof "IK10" acc. to IEC 62262/2002-02

Specifications

Electrical data				
Frequency (MHz)	2300 to 2500	2500 to 2690	3400 to 3800	4900 to 5975
VSWR	1.7	1.8	2	1.5
Gain (dBi)	1.5	1.5	2	4

General data	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	10

Mechanical data	
Dimensions (height x diameter)	33.2 x 145 mm (1.31 x 5.7 in)
Weight	0.29 kg (0.64 lbs)
Connector	SMA-reverse (male)
Cable type	ENVIROFLEX_316_D

Environmental data	
Environment	outdoor
Operation temperature (°C)	-55 to 85
RoHS 2011/65/EU	compliant

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

Ordering information

Description	Item no.	Version
1399.59.0003	85016092	3 x pigtail with SMA-reverse (male)

SENCITY® Omni-S 4x4 MIMO



Features:

- Omni-directional 4x4 WiFi MIMO and LTE 2300, 2600 and 3500 MHz antenna
- Rugged and low profile cabinet and pole/wall mount antenna
- Supports WiFi dual-band 2.4 to 2.5/4.9 to 6 GHz, IEEE 802.11 b/g/a/h/p/n/ac
- And cellular LTE 2300, 2500, 2600 and 3500 MHz band configurations
- Single hole cabinet mounting, for outdoor and indoor applications
- Vandalism proof "IK10" acc. to IEC 62262/2002-02

Specifications

Electrical data				
Frequency (MHz)	2300 to 2500	2500 to 2690	3400 to 3800	4900 to 5975
VSWR	1.7	1.8	2	1.5
Gain (dBi)	1.5	1.5	2	3.5

General data	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	10

Mechanical data	
Dimensions (height x diameter)	33.2 x 145 mm (1.31 x 5.7 in)
Weight	0.32 kg (0.70 lbs)
Connector	SMA-reverse (male)
Cable type	ENVIROFLEX_316_D

Environmental data	
Environment	outdoor
Operation temperature (°C)	-55 to 85
RoHS 2011/65/EU	compliant

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

Ordering information

Description	Item no.	Version
1399.59.0005	85031687	4 x pigtail with SMA-reverse (male)

SENCITY® Omni-SR 4×4 MIMO



Features:

- Small omnidirectional 4×4 MIMO cabinet/ceiling mount antenna
- Supports Wifi 2.4/5 GHz and cellular 2.3/2.6/3.5 GHz bands
- Rugged design, meets EN 50155 railway standard
- Fire retardant acc. to EN 455452 and NFPA130
- Single hole mounting

Specifications

Electrical data				
Frequency (MHz)	2300 to 2500	2500 to 2690	3400 to 3800	4900 to 5975
VSWR	1.7	1.8	1.8	1.5
Gain (dBi)	3.5	3.5	5	4.5

General data	
Nominal impedance (Ω)	50
Polarisation	vertical
Composite power max. (W)	10

Mechanical data	
Dimensions (height × diameter)	33.2 × 145 mm
Weight	0.9 kg
Connector	N, plug (male)

Environmental data	
Environment	indoor/outdoor
Operation temperature (°C)	-44 to 85
RoHS 2011/65/EU	compliant

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

Ordering information

Description	Item no.	Version
1399.17.0240	85078396	4 × pigtail 0.5 m with N (male)
1399.17.0246	85087896	4 × pigtail 1.5 m with N (male), lower gain
1399.35.0010	85097487	4 × pigtail 1.5 m with QMA (male), lower gain