

SENCITY® Spot-L 3x3 WiFi MIMO Antenna

1324.17.0112

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 2300 and 2700 MHz
- Gain of 15.5 to 18 dBi with Vertical polarisation
- Half power beamwidth of 20° (vertical) and 20° (Horizontal)
- Mounting brackets for wall or pole mounting sold seperately
- Integrated N female interface

**Electrical bands**

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	2300 MHz ... 2400 MHz	2400 MHz ... 2500 MHz	2500 MHz ... 2600 MHz	2600 MHz ... 2700 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.7	1.7	1.7	1.7
Gain (dBi)	15.5 dBi	17 dBi	17.5 dBi	18 dBi
Halfp Beamwidth vertical	20 dBi	20 dBi	20 dBi	20 dBi
Halfp Beamwidth horizontal	20 °	20 °	20 °	20 °
Front to back ratio	28 dB	28 dB	28 dB	28 dB
Ambient Temperature	25 °C			
Composite Power max	6 W			
Co/Crosspolar Ratio	20 dB	20 dB	20 dB	20 dB

Electrical remarks

Remarks	Side lobes level ETSI EN 301 525 V1.1.1 (2000-06) TS2 Cross polarisation ETSI EN 301 525 V1.1.1 (2000-06) TS2 F/B ratio ETSI EN 301 525 V1.1.1 (2000-06) TS2
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Ports

Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

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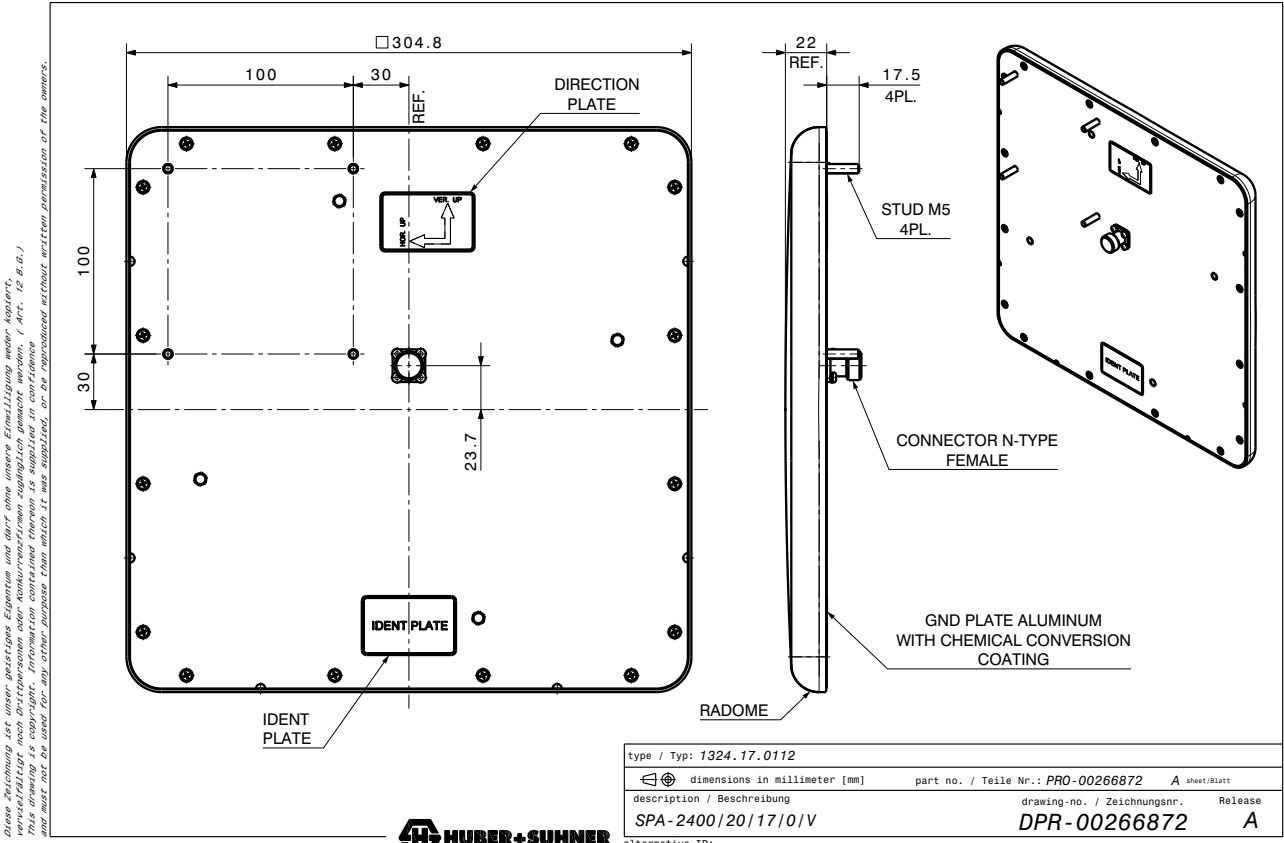
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Connections	
Port number	
Mechanical data	
Weight	1.2 kg
Dimensions	305 mm x 305 mm x 25 mm (Height x Width x Depth)
Windload	front: 263 N at 160 km/h, lateral: 22 at 160 km/h, Wind Speed survival: 220 km/h
Material data	
Radome material	Plastic
Radome colour	RAL 9002 (grey-white)
Back plate/base plate material	Aluminium
Environmental data	
Operation temperature	-45 °C ... 70°C
Storage temperature	-45 °C ... 70°C
Transport temperature	-45 °C ... 70°C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67
Flammability rating	UL 94-HB
Environmental remarks	
"Humidity ETSI EN300-2-4 T4.1E; 144h; 95% Solar radiation ASTM G53; 1000 h Salt spray IEC 60068-2-11 Ka; 500 h Mechanical shock IEC 60721-3-4; 4M5 Vibration IEC 60721-3-4; 30 min/axis; random 4M5 Low temperature IEC 60068-2-1; 72h; -55°C High temperature IEC 60068-2-2; 72h; +71°C Temperature cycling IEC 60068-2-14; 1h; -45 to +70°C; 3 cycles"	

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Outline drawing



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