

## SENCITY® OMNI-M cellular / LTE antenna 1399.17.0231

### Description

Omni-directional multiband antenna for LTE 800, GSM 900, GSM 1800, GSM/PCS 1900, UMTS, LTE 2300 and 2600 WLAN 802.11 b/g WiFi 2400 MHz band  
Gain 2 / 3 dBi, vertical polarized antenna  
Ingress protection IP67 (IEC 60529)  
For outdoor and indoor applications  
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L-bracket (AISI 316L) for pole or wall mounting scenario included



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2
Frequency (MHz)	790 - 960	1710 - 2690
VSWR	2	1.9
Impedance (Ohm)	50	50
Gain (dBi)	2	3
Composite power max (W)	25	
Ambient temperature (°C)	25	

#### Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical

#### General Data

IMD level 143 dBc at carrier power 2x 30dBm

#### Mechanical Data

Dimensions (mm) 263 x 32 (Height x Diameter)  
Weight (kg) 0.4

INCLUDED MOUNTING MATERIAL: Bracket 9091.99.0173 and 2 metal-bands for mast-diameter 25mm - 101mm, all piece parts made of stainless steel

#### Environmental Data

Environmental conditions indoor/outdoor  
Operation temperature (°C) -40 to 85  
Storage temperature (°C) -55 to 85  
Transport temperature (°C) -40 to 85  
IP rating IP67  
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

LOW TEMPERATURE: IEC 60068-2-1 72h -55°C  
HIGH TEMPERATURE: IEC 60068-2-2 72h +85°C  
HUMIDITY: ETSI EN300-2-4 T4, 1E 144h 95%  
SALT SPRAY: EN 60068-2-11 / GB-T 10125 96h  
MECHANICAL SHOCK: IEC 60721-3-4, 4M5  
VIBRATION: IEC 60721-3-4 30 min/axis random 4M5

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### Material Data

Radome colour	RAL 9003 (signal white)
Radome material	Glass Fibre

### Related Products

9091.99.0173 L - bracket for omni stick antennas

### Related Documents

Mounting instruction	DOC-0000296554
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00295553
3D-model	DOC-0000711593

### Additional Information

Mounting accessory included