

## SENCITY® Ultra 1399.17.0120

### Description

Indoor DAS omni-directional antenna for In-Building Coverage  
Ultra broad band, multi band covering AMPS, GSM, PCS, CDMA, UMTS, WiFi, WLAN 2.4 and 5.6 GHz, LTE, 4.9 GHz Homeland Security, Tetra, Tetrapol, DVB-T, DVB-H  
High gain



### Product Configuration

### Technical Data

#### Electrical Data

|                          | Band 1    | Band 2    | Band 3      | Band 4      |
|--------------------------|-----------|-----------|-------------|-------------|
| Frequency (MHz)          | 380 - 560 | 560 - 960 | 1710 - 5500 | 5500 - 5875 |
| VSWR                     | 2         | 2         | 1.5         | 1.5         |
| Impedance (Ohm)          | 50        | 50        | 50          | 50          |
| Gain (dBi)               | 3.5       | 5         | 8           | 10          |
| Composite power max (W)  | 800       | 500       | 300         | 300         |
| Ambient temperature (°C) | 25        | 25        | 25          | 25          |

#### Ports

|              | Port 1           |
|--------------|------------------|
| Connector    | N, jack (female) |
| Polarization | vertical         |

#### General Data

IMD level -150 dBc at carrier power 2x 43dBm

PIM 2x43dBm <-150dBc (@1800MHz)

Requires a ground plane of min. 620 x 620 mm (included in antenna shipment) for 380 MHz to 690 MHz operation ( please also refer to Mounting Instruction DOC-0000331648)

VSWR tested with ground plane and max. ceiling tile thickness of 15mm across 380 MHz to 5875 MHz

#### Mechanical Data

Dimensions (mm) 153.6 x 78.6 x 255 (Height x Width x Depth)  
Weight (kg) 0.8

#### Environmental Data

Environmental conditions indoor  
Operation temperature (°C) 0 to 55  
Storage temperature (°C) -40 to 80  
Transport temperature (°C) -40 to 80  
Flammability rating UL 94-HB  
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

#### Material Data

Radome colour RAL 9010 (white)  
Radome material ASA (acrylic ester-styrene-acrylonitrile)  
Back plate/base plate colour RAL 9010 (white)

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Back plate/base plate material

Aluminium

### Related Products

Mounting screws for false ceiling installation included 620mm x 630mm aluminium foil included in antenna shipment (see also Mounting Instruction DOC-0000331648)

### Related Documents

Mounting instruction

DOC-0000331648

Painting instruction

DOC-0000256180

Security instruction

DOC-0000278984

Outline drawing

DOU-00143233

### Additional Information

Radiator grounded for remote connectivity surveillance