# **Data Sheet**



# 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 (Heigth 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 compliant 2015/863 and 2017/2102)

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 instructionDOC-0000331648Painting instructionDOC-0000256180Security instructionDOC-0000278984Outline drawingDOU-00143233

#### **Additional Information**

Radiator grounded for remote connectivity surveillance

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