

## SENCITY® Ultra 1399.17.0120

SWA-0459/360/4/25/V\_1

### 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

#### Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical

#### General Data

IMD level -150 dBc at carrier power 2x 43dBm  
 Composite Power max (W) 100

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  
 RoHS 2011/65/EU compliant  
 Lead-free soldered yes  
 REACH 2006/1907/EC compliant

#### Material Data

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

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### 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