

HUBER+SUHNER

HUBER+SUHNER antenna portfolio

Automotive

Radar Antenna, Bus and Truck, Trams/Metro Antennas



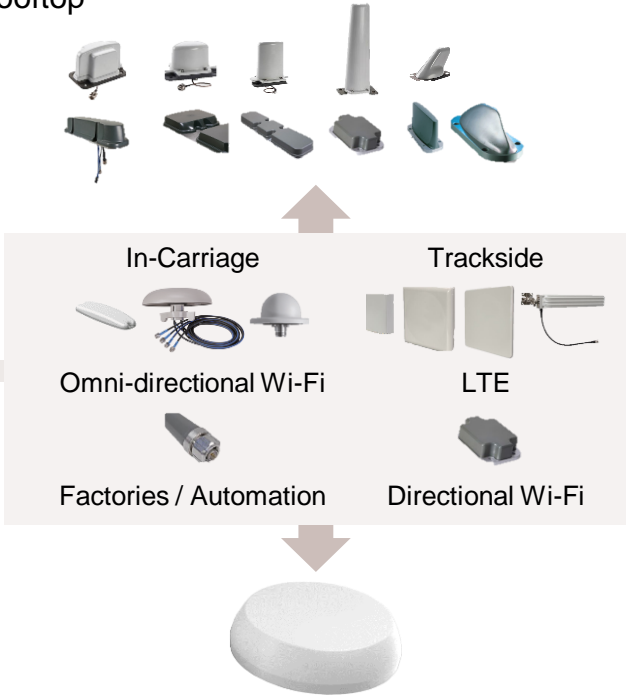
Communication

DAS and Small Cell, Macro



Railway

Rooftop



Aerospace & Defense

Jamming, On-board Wi-Fi



Special Communication



Industrials

Omni Combined 5G / Wi-Fi 6E

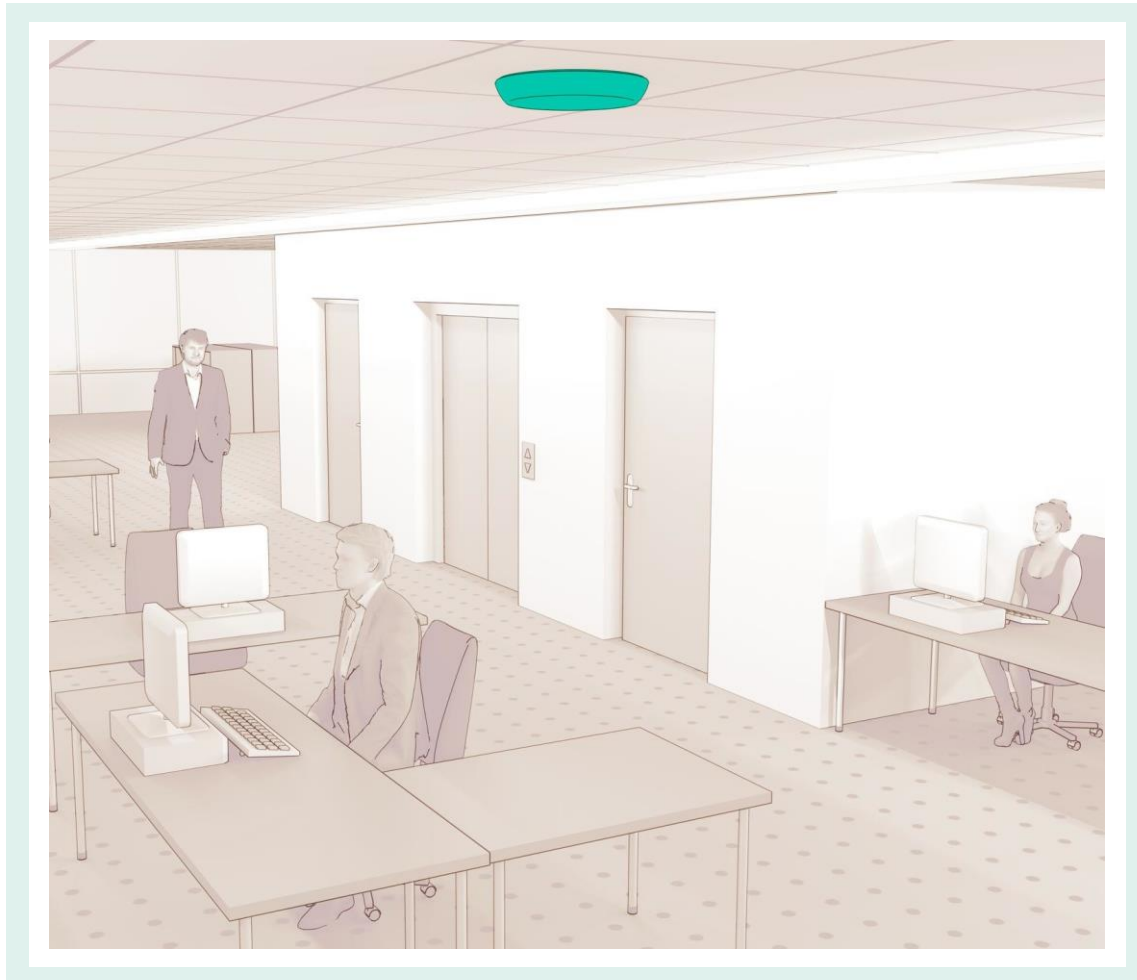
Small cell / DAS antennas product portfolio

Our Vision

We are developing and producing smart low-profile antennas that are easy to install.



DAS Requirements



Broadband antenna

Low profile

Aesthetically pleasing

High PIM performances

Radiation patterns for optimized coverage

Easy installation

DAS Antenna

SENCITY® Occhio/ Occhio Plus



5G MIMO 4x4 / 2x2
omnidirectional antenna
5G C band/4G MIMO 4x4 /
2x2 omnidirectional antenna

SENCITY® Rondo



4G/5G MIMO 2x2 and SISO
omnidirectional antenna

SENCITY® Optima



Ultra broadband omni-
directional SISO antenna

SENCITY® Urban 300



MIMO 2x2 directional antenna
for 5G bands

SENCITY® OCCHIO Plus

Product overview

- Omnidirectional 5G MIMO 4x4 Antenna for indoor coverage where high data rate is required
- It covers all the 5G bands
- For ceiling applications
- Vertical polarized antenna **in compact** housing
- Easy to install
- For MNOs, Neutral Hosts and System Integrators



Product



SENCITY OCCHIO Plus

Product information

Features

- Omni-directional antenna
- 4G/5G coverage
- PIM -153 dBc 2 X 20 W
- Gain: 3..5 dBi
- 1399.32.0020 MIMO 4x4 
- 1399.32.0021 MIMO 2x2 
- Dimensions Φ 275 mm (10,83 in) x 45 mm (1.77 in)

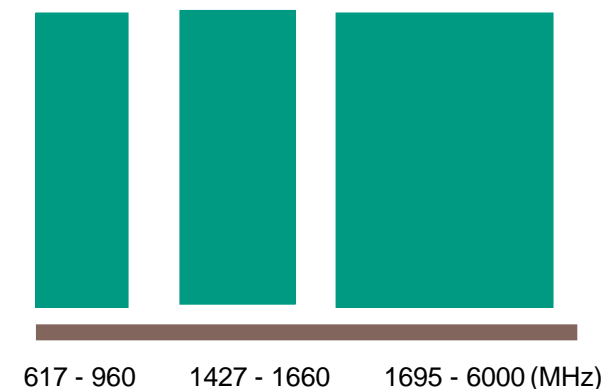
Benefits

- Simple, time saving installation process
- Low visible impact
- Excellent performances

Product



Frequency




SENCITY® Occhio

Product information

Features

- Omni-directional antenna
- 4G/5G C band coverage for private networks
- PIM -153 dBc 2 X 20 W
- Gain: 4...6.5 dBi
- MIMO 2x2/MIMO 4x4
- Dimensions Φ 200 mm (7,87 in) x 32 mm (1.26 in)

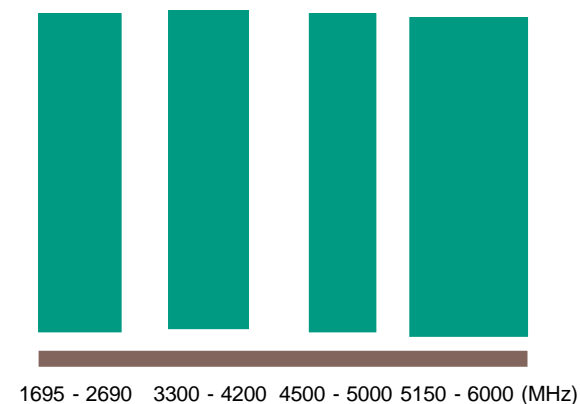
Benefits

- Simple, time saving installation process
- Low visible impact
- Excellent performances
- 1399.32.0014 - HUBER+SUHNER E-Catalog 

Product

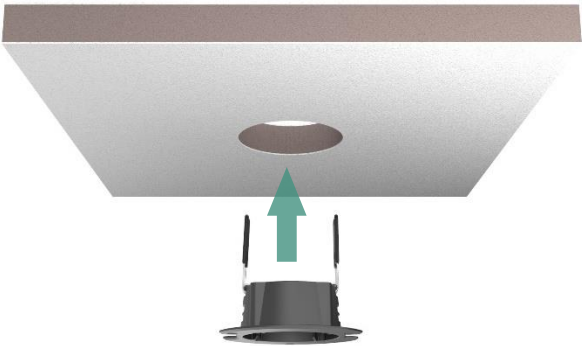


Frequency



SENCITY® OCCHIO Installation

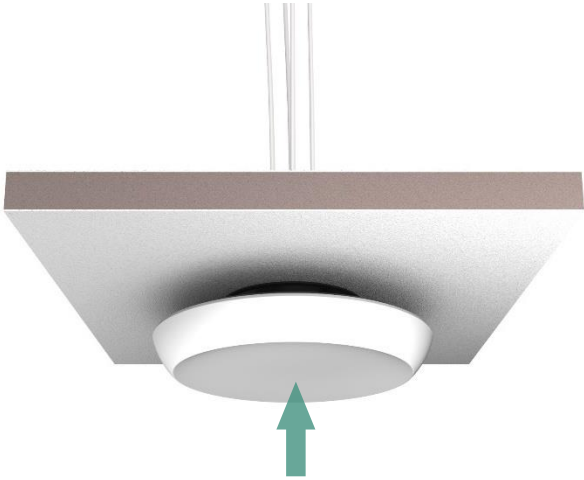
Drill 3" hole and insert bracket



Pass cables through bracket



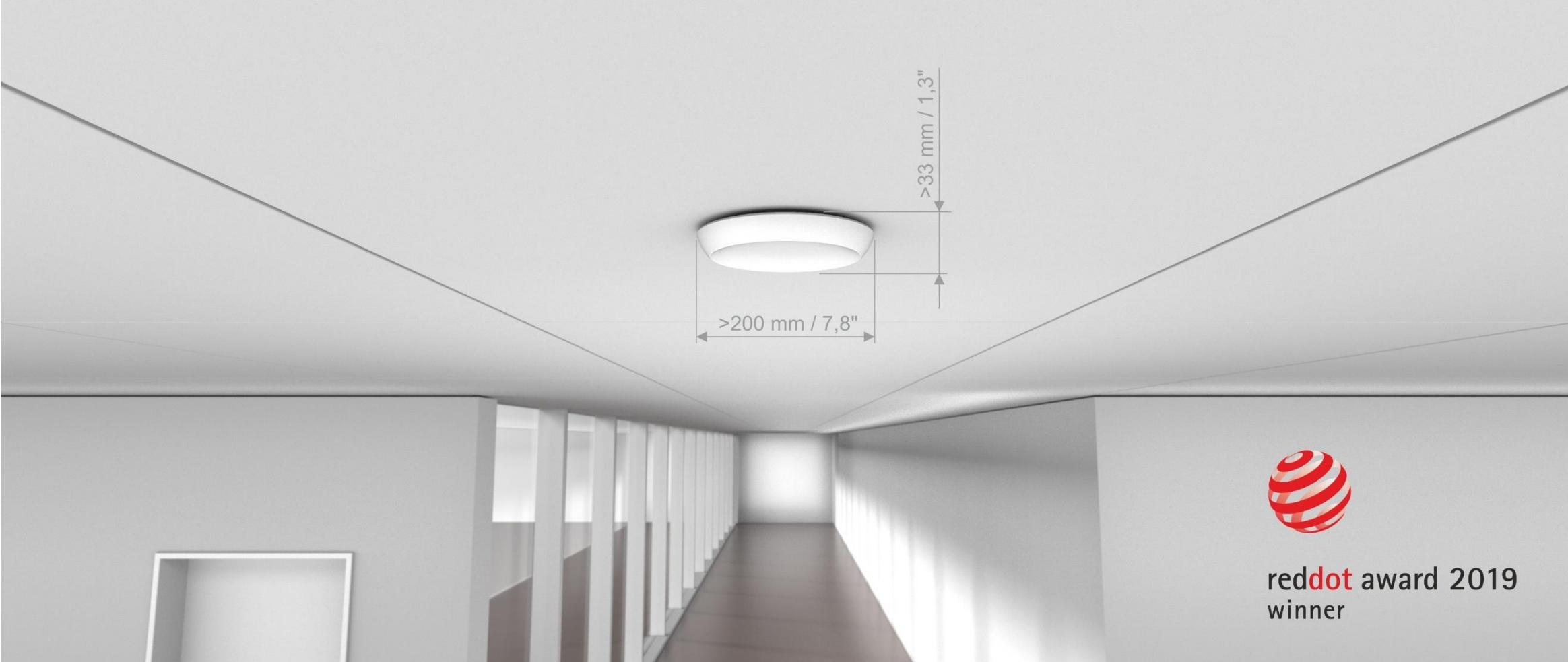
Snap-in the antenna



Reduce installation time while minimizing installation errors

SENCITY® OCCHIO

Design




SENCITY® Rondo

Product information

Features

- Omni-directional antenna
- 4G/5G coverage
- PIM -155 dBc 2 X 20 W
- Gain: 2...6.5 dBi
- MIMO 2x2 / SISO
- Dimensions Φ 238 mm (9,37 in) x 87 mm (3,42 in)

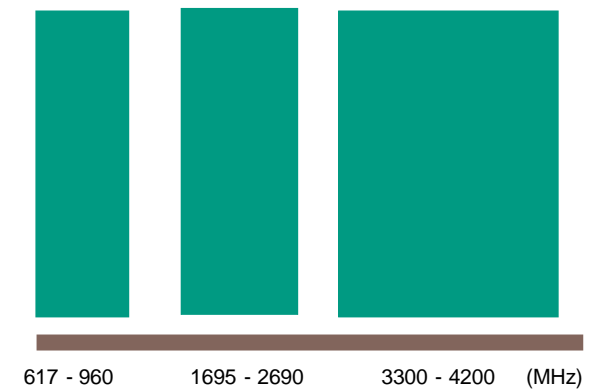
Benefits

- Easy mounting / installer-friendly handling
- Antenna tested for plenum space
- Multiple mounting options
- 1399.31.0007 - HUBER+SUHNER E-Catalog 

Product



Frequency



SENCITY® Rondo

Convenient installation

Multiple mounting options—from invisible to visible

Above ceiling tile



Through ceiling tile (recessed)



Through the ceiling



Below ceiling tile



Below hard ceiling



SENCITY® OMNI-M

Product information

Features

- Omni-directional antenna
- 4G/5G coverage
- PIM -153 dBc 2 X 20 W
- Gain: 2 - 6 dBi
- MIMO 2x2 Dimensions Φ 211.5 mm x 62.5 mm

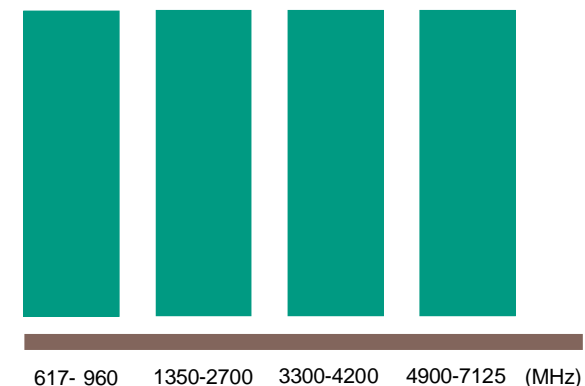
Benefits

- Easy mounting / single hole mounting
- Low profile
- For metal ceiling applications (i.e. Metro station)

Product



Frequency

**PoC**


SENCITY® Optima

Product information

Features

- Omni-directional antenna
- PIM -150 dBc 2 X 30 dBm
- Gain: 2÷8 dBi
- SISO
- Dimensions Φ 321 mm (12,64 in) x 69 mm (2,72 in)

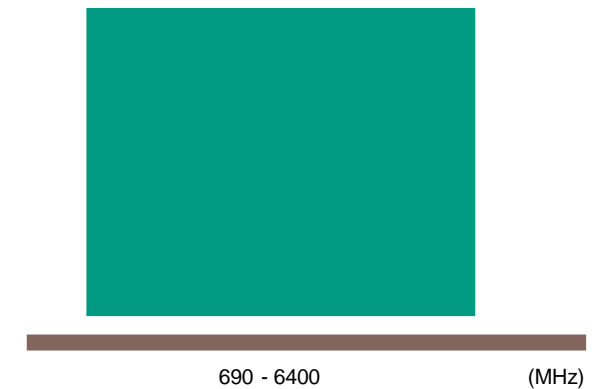
Benefits

- Ultra broadband coverage
- Plenum pigtail
- 1399.31.0006 - HUBER+SUHNER E-Catalog 

Product



Frequency



SENCITY® Urban 300

Product information

Features

- Directional MIMO 2x2
- Dual slant polarization
- Gain 4.5÷6.5 dBi
- PIM -150 dBc 2 X 20 W
- IP66
- Dimensions: 260 x 200 x 90 mm

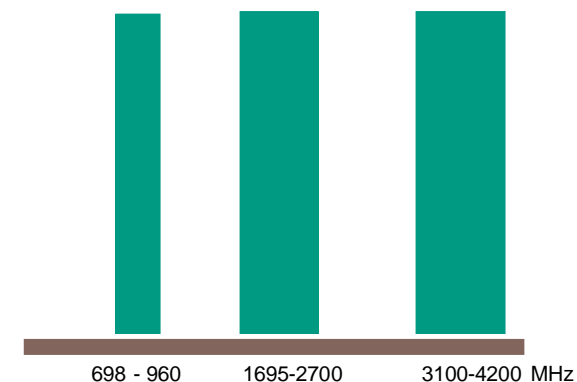
Benefits

- Very compact antenna for indoor and outdoor installations
- Available in light grey and white color
- High performances
- Easy installation on different assets: wall, pole, bars

Product



Frequency



Small cell antennas product portfolio

Various site types for cell sites

High density areas:



Store Front



Advertising Pillar



Bus Shelter



Streetlight

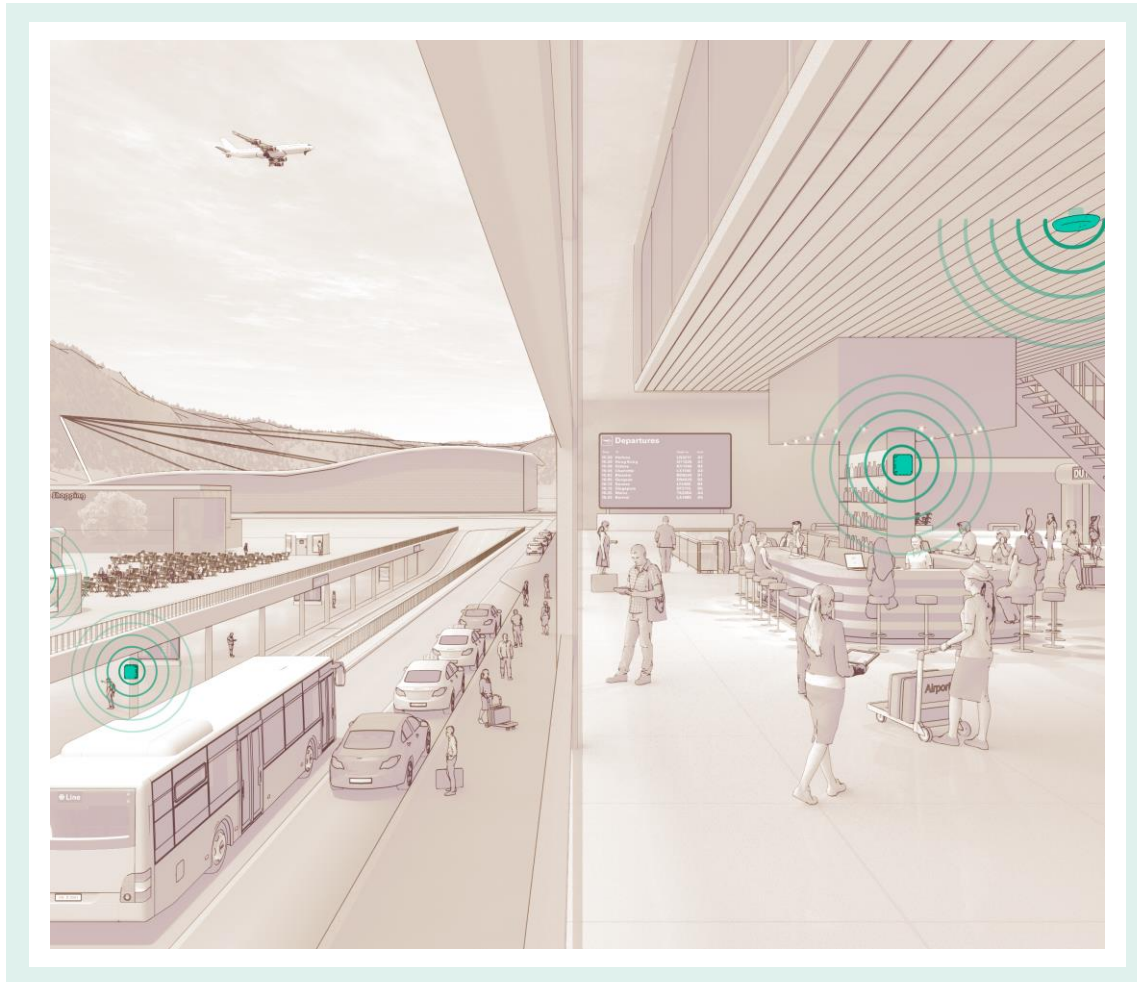


Campus & Private Network



Airport

Small cell/Private Mobile Network requirements



CBRS Antenna

Low profile

Great aesthetics

Supports MIMO for enhanced capacity

Installed inside existing infrastructure

Small cell/Private Mobile Network portfolio



SENCITY®
Urban 100

MIMO 2x2 omni-directional and directional antenna for 4G/5G high bands



SENCITY®
Urban 100 Plus
MIMO 4x4 omnidirectional antenna for 5G CBRS Band



SENCITY®
Urban 200
MIMO 4x4 directional antenna for 5G CBRS Band



SENCITY®
Urban 300
MIMO 2x2 directional antenna for 5G bands



SENCITY®
OMNI-S Stick
Omni-directional stick antennas


SENCITY® Urban 100

Product information

Features

- Directional and Omni-directional configurations
- 4G/5G C Band coverage
- PIM -150 dBc 2 X 20 W
- Gain: 2..2.5 dBi
- MIMO 2x2
- IP66
- Dimensions Φ 117 mm (4.6 in) x 96 mm (3.8 in)

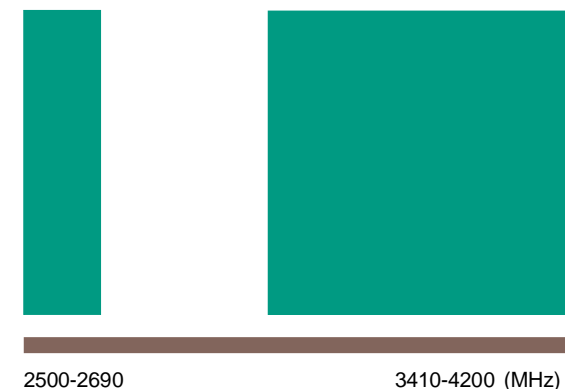
Benefits

- Very compact antenna ideal for assets mounting
- Different types of installations: wall, pole assets
- Low visible impact
- 1399.17.0253 - HUBER+SUHNER E-Catalog 

Product



Frequency



SENCITY® Urban 100

Mounting options

1.

Wall mount



included

2.

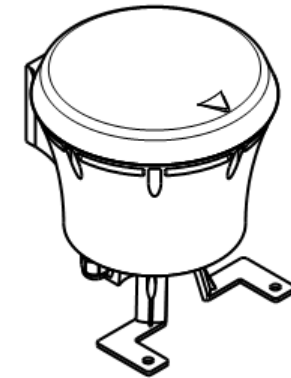
Pole or wall mount



optional

3.

Protected enclosures only



optional

5G solutions for simplified network expansion

Light Fixture



Cellular and Wifi coverage in the Subway entries

- MIMO 4x4 omnidirectional antenna integrated in the light globes
- Supports from 1.7 GHz till 6 GHz
- Partnership with Light Fixture companies

Advertising Column




Small Cell deployed in the advertising column

- MIMO 2x2 omnidirectional antenna integrated in the advertising columns
- Supports from 2500 to 2690 MHz and from 3300 to 4200 MHz
- RF-EMF exposure simulations
- Customized mounting kit
- Delivered with RF Jumpers, Filter and Fiber Optic box

Public Telephone Boxes



Small Cell deployed in telephone boxes

- MIMO 2x2 omnidirectional antenna integrated in telephone boxes + WiFi
- Supports from 2500 to 2690 MHz and from 3300 to 4200 MHz + WiFi from 1710 MHz till 7125 MHz
- Delivered with RF Jumpers, Filter and Fiber Optic box
- Deutsche Telekom video: 

SENCITY® Urban 100 Plus

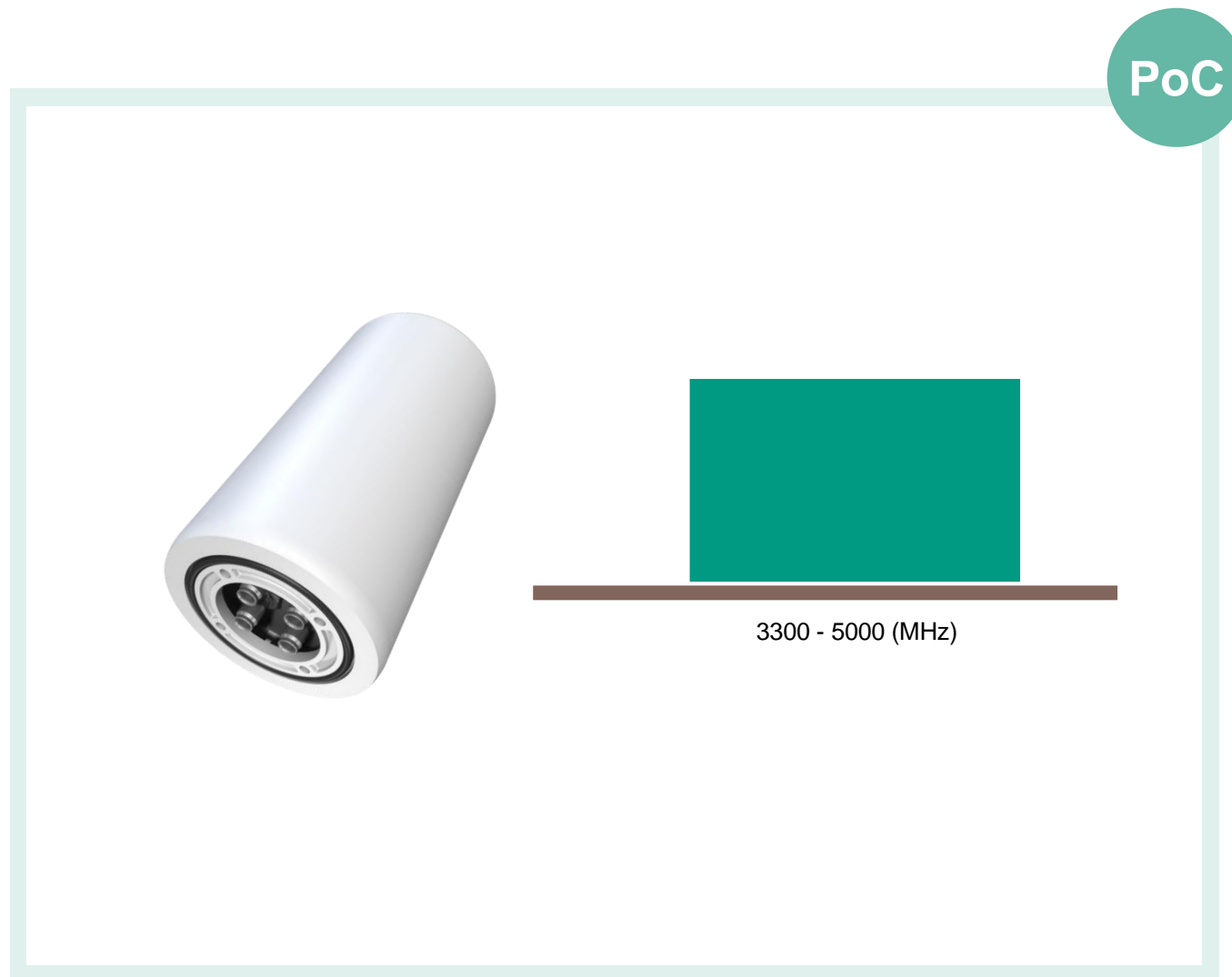
Product information

Features

- Omnidirectional MIMO 4x4
- Dual slant polarization
- Gain better than 3.5 dBi
- PIM -155 dBc 2 X 20 W
- IP66
- Dimensions: 187 (height) x 100 (diameter) mm

Benefits

- Very compact antenna
- Low visible impact
- High performances
- Easy installation on different assets: pole or cabinets

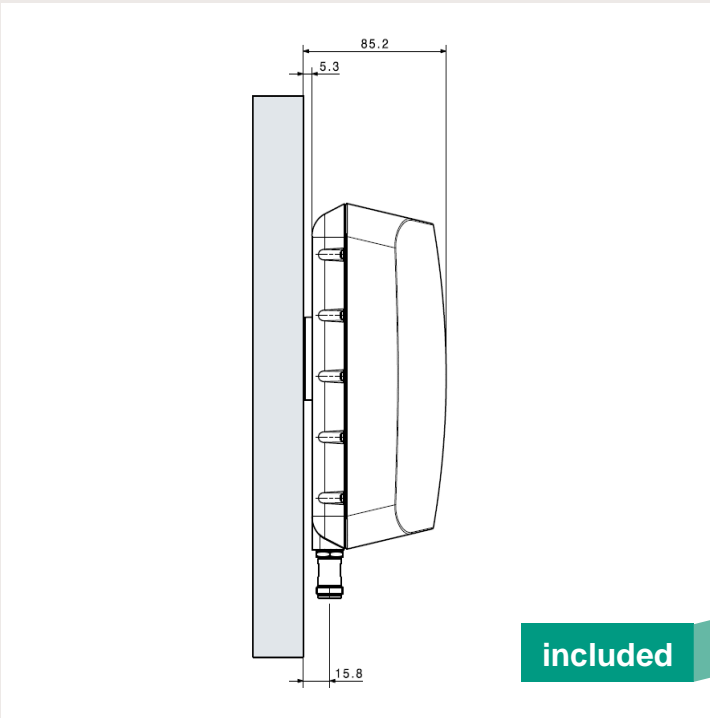


SENCITY Urban 200

Mounting options

1.

Wall mount



included

2.

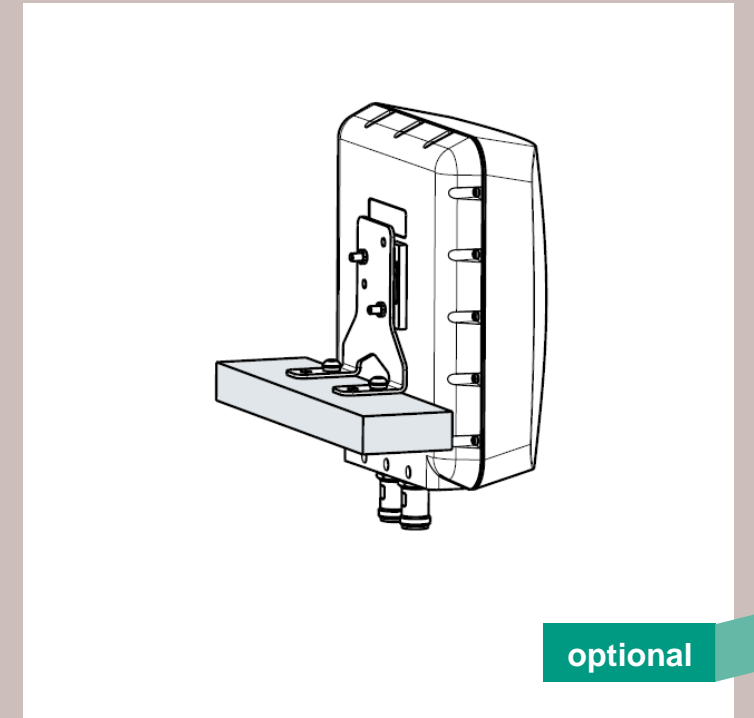
Pole or wall mount



optional

3.

Bar mount



optional

SENCITY Urban 200

Applications



Passengers' communications inside tunnels



Small cells

SENCITY® OMNI stick

Product information

Features

- Omni-directional vertical polarized antenna
- Gain 2 / 3 dBi
- PIM -145 dBc



Benefits

- Easy installation
- Compact design

Product



Frequency

790-2690 MHz



790-960

1710-2690 (MHz)

1710-2690 MHz



1710 - 2690 MHz

SENCITY® OMNI-S Thimble

Product information

Features

- Broadband omni-directional antenna
- Gain 2 dBi
- Outdoor IP67 and IP69K
- For harsh environment (*vibration / shock prove*)



Benefits

- Direct mount on N type connector
- Small and robust outdoor antenna

Product



Frequency

1710-7125 MHz



1710 - 7125 (MHz)

Data available online

- iBwave files (.vex)
- Planet files (.msi)
- Atoll files
- ...



<https://www.ibwave.com/ibwave-design-enterprise>

The background of the image is a dark blue field filled with a complex network of thin, light blue lines. These lines connect various points, which are represented by small, bright blue, glowing nodes. The nodes vary in size and brightness, with some appearing as larger, more intense spheres and others as smaller, dimmer points. The overall effect is that of a digital or neural network, with the lines representing connections and the nodes representing individual entities or data points. The text is centered horizontally and vertically over this network.

Connecting – today and beyond