

iANT200 Omnidirectional Antenna



- External antenna
- Simple apparatus
- Suitable for Groups I, II, III
- Optimised for use in 2.4GHz and 5GHz or MESH Ethernet WLAN installations
- Can use with Extronics iWAP107

Use in hazardous areas

The iANT200 has been assessed by Extronics engineers as meeting the international intrinsic safety standards for simple apparatus. This means it's safe to use in hazardous areas when connected to a suitable certified wireless device with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501. The iANT200 antenna cannot be used in the hazardous area when connected to an RF source that is not intrinsically safe.

Gain and directionality

The iANT200 is omnidirectional and offers a gain of 5dBi @ 2.4GHz and 8dBi @ 5.8GHz. It is ideal for use in simple applications where good general coverage is needed.

Optimised for WLAN installations

The iANT200 is optimised for use in WLAN installations in the 2.4GHz/5.8GHz spectrum for IEEE802.11 wireless networks or wireless mesh Ethernet networks.

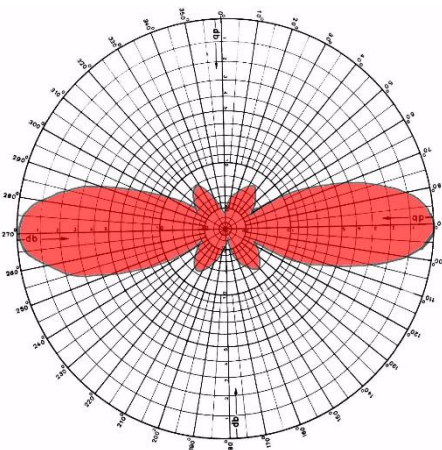
Indoor and outdoor use

The iANT200 can be used both indoors and outdoors as it's designed to withstand the chemicals and contaminants found in industry. It's highly rugged and made to endure every climate without concerns.

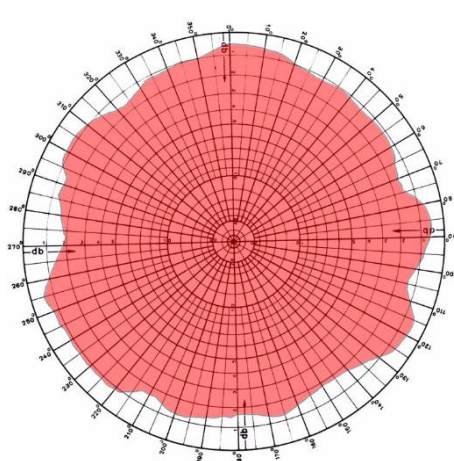
Easy mounting

The antenna can be easily mounted and positioned with the aluminium bracket supplied. A 316 stainless steel mounting bracket is also available.

Elevation (E Plane) Radiation Pattern



Horizontal (H Plane) Radiation Pattern (Azimuth)



Specification

Dimensions	2.4GHz — 175mm Length, 28mm Diameter 5.8GHz — 205mm Length, 29mm Diameter
Weight	100g
Connections	Dependent on part number (BNC/TNC/SMA + others on request)
Frequency	2.3—2.5 GHz 5.15—5.875 GHz
Bandwidth	100 MHz
Impedance	50 Ohms
Return loss	Better than 12 dB
Gain	5 dBi @ 2.4 GHz, 8 dBi @ 5.8 GHz
VSWR	< 2:1
Horizontal 3dB beam width	360°
Vertical 3dB beam width	35°
Radiation angle	0°
Polarisation	Vertical
Radiating element	Brass tubing
Tube material	GRP, colour white
Base material	Delrin™
Ambient temperature	-30°C to +80°C
IP rating	IP66
Certification	II 1 G Ex ia IIC T5/T6 (simple apparatus)

Ordering Information: iANT200 -[#1]-[#2]-[#3]-[#4]

Specify option [#1] – frequency

2.4 GHz	24
5 GHz	58

Specify option [#2] – cable length

1m	1
5m	5
Special cable length	5

Specify option [#3] – connector type

Straight N-type male	1
Right angle N-type male	2
Straight reverse-polarity SMA male	3
Right-angle reverse-polarity TNC male	4
Straight reverse-polarity BNC male	5
No connector fitted	6
Straight SMA male (connects directly to iISOLATE501)	7

Specify option [#4] – mounting bracket

Supplied with standard aluminium wall mounting bracket	1
Supplied with 316 stainless steel wall mounting bracket	2



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