

iANT207 Intrinsically Safe Omni Directional Antenna



Small external omni-directional antenna for surface mounting

-40°C to 80°C

IP66

II 1 G Ex ia IIC T5/T6

Overview

The iANT207 is an industrial outdoor antenna which is ATEX approved as simple apparatus for use in all hazardous area environments. It is optimised for use in WLAN installations in the 2.4GHz band for IEEE802.11 b/g wireless networks or 2.4GHz wireless mesh Ethernet networks. It can be used with the Extronics range of access points and mesh routers such as the iWAP102, iWAP200 and iWAP300, as well as the iWAP400 USB WIFI adapter.

Indoor and Outdoor operation

The iANT207 is suitable for both indoor and outdoor operation, as it is made from a rugged and durable plastic that is resistant to effectively any chemical or contaminant found in industry. Rated to IP66 and -40°C to 80°C it can be used in any climate. Connection is made via an N-type female on the under-side of the antenna.

Gain and Directionality

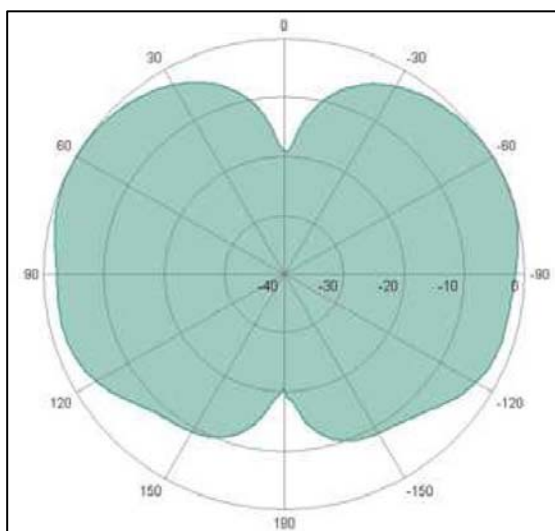
The iANT207 has a gain of 4dBi, with an omni-directional radiation pattern in the azimuth plane. It also has a 20° uptilt, making the iANT207 ideal for mounting on panels and mobile equipment such as the Explorer panel PC.

Easy Mounting

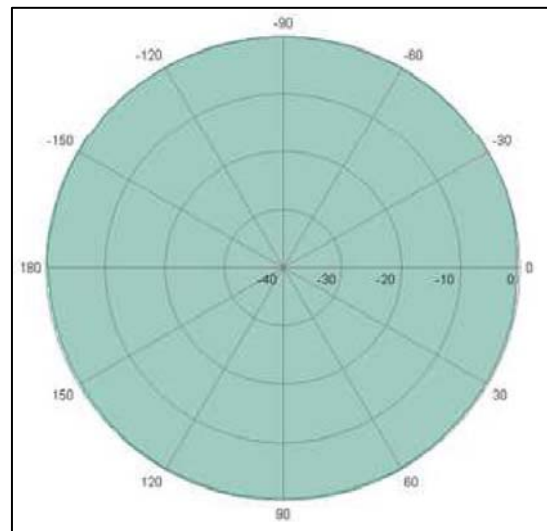
The antenna can be easily mounted and positioned with the mounting holes on the unit. For details of alternative mounting options contact Extronics.

Diagrammatical Data

Elevation (E Plane) Radiation Pattern



Azimuth (H Plane) Radiation Pattern



Specification

Dimensions	86mm diameter, 43mm high
Weight	300g
Connections	N-Type Female
Frequency Range	2.4 — 2.5 GHz
Impedance	50 Ohms
Gain	4dBi
VSWR	1.5: 1
Azimuth (Horizontal) 3dB Beamwidth	360°
Elevation (Vertical) 3dB Beamwidth	25°
Uptilt	20°
Polarization	Linear, vertical
Ambient Temperature	-40°C to 80°C
IP Rating	IP66
Certification	II 1 G Ex ia IIC T5/T6
Certification Type	Simple Apparatus

Ordering Information

Description

2.4 GHz Omni-Directional WLAN antenna

Part Number

iANT207-24

Optional Accessories

For alternative RF connector options please contact Extronics with your requirements