

## 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

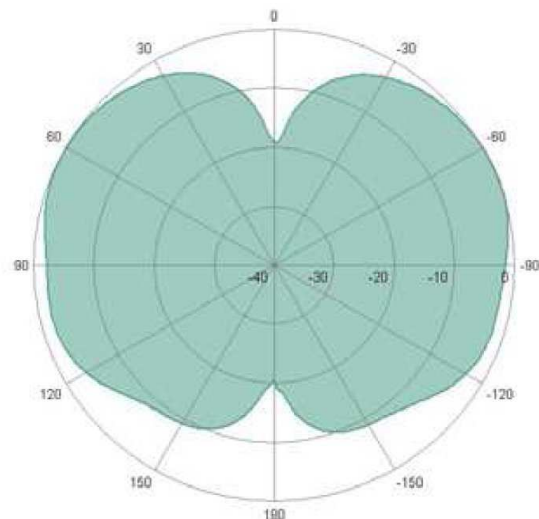
The iANT207 has a gain of 4dBi, with an omni-directional radiation pattern in the azimuth plane. It also has a 20° uptilt, making the iANT207 ideal for mounting on panels and mobile equipment such as the Explorer panel PC.

#### Easy Mounting

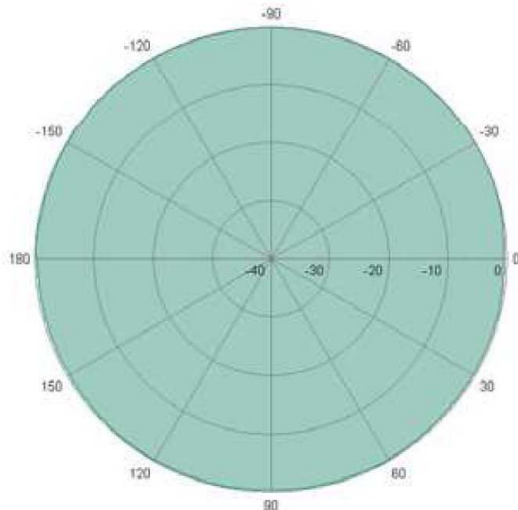
The antenna can be easily mounted and positioned with the mounting holes on the unit. For details of alternative mounting options contact Extronics.

### Diagrammatical Data

**Elevation (E Plane) Radiation Pattern**



**Azimuth (H Plane) Radiation Pattern**



## Specification

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

## Ordering Information

### Description

2.4 GHz Omni-Directional WLAN antenna

### Part Number

iANT207-24

Copyright © Extronics Ltd 2008

The information contained in this document is subject to change without notice. Extronics cannot be held responsible for any errors or inaccuracies within this document.