

iANT208 Intrinsically Safe Wide Angle Directional Antenna



Small external wide angle directional antenna for wall mounting

-40°C to 60°C

IP54

II 2 G Ex ia IIC T6

Overview

The iANT208 is an industrial indoor/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 iANT208 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 IP54 and -40°C to 60°C it can be used in any climate. Connection is made via an N-type female connected via a coaxial cable to the antenna.



Gain and Directionality

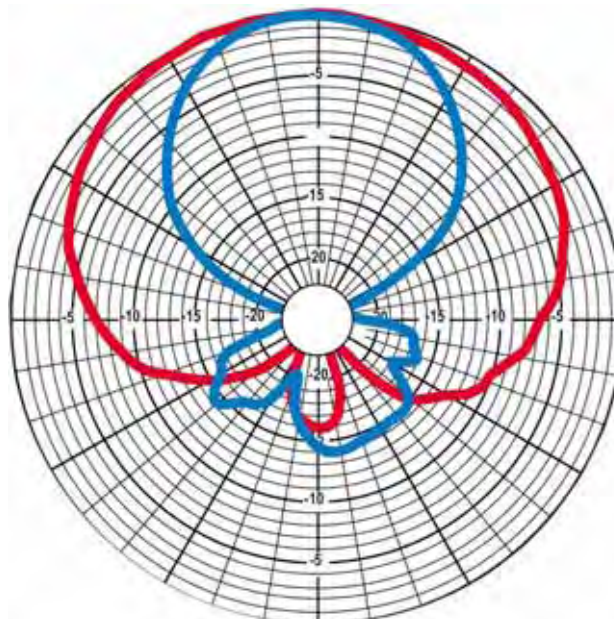
The iANT208 has a gain of 5dBi, with a 3dB azimuth beamwidth of 135° and an E-plane beamwidth of 55°. The wide Azimuth beamwidth allows the antenna to be mounted on a wall and provide a radiation pattern which allows wireless coverage all along the length of the wall. Using a wide angle antenna instead of an omni-directional antenna reduces multipath problems which can be generated by the wall.

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

-  H-Plane (Azimuth)
-  E-Plane (Elevation)



Specification

Dimensions	152.4mm x 76.2mm x 48.8mm
Weight	140g
Connections	N-type
Frequency Range	2.4 — 2.5 GHz
Impedance	50 Ohms
Gain	5dBi
VSWR	1.5:1
Azimuth (Horizontal) 3dB Beamwidth	135°
Elevation (Vertical) 3dB Beamwidth	55°
Polarization	Linear
Ambient Temperature	-40°C to 60°C
IP Rating	IP54
Certification Type	Simple Apparatus
Certification	II 2 G Ex ia IIC T6

Ordering Information

Description

2.4 GHz Wide Angle Directional WLAN antenna

Part Number

iANT208-24

Optional Accessories

For alternative RF connector options please contact Extronics with your requirements