

iANT202 Intrinsically Safe Dual Planar Antenna

Indoor sector antenna for 2.4Ghz

II 1 G Ex ia IIC T6

-40°C to 80°C

IP54

Note (The supplied bracket is made from aluminium and as such must not be used in Zone 0 environments)



Overview

The iANT202 is a dual-planar slant polarised antenna, which is ATEX approved as simple apparatus for use in all hazardous area environments. The iANT202 is optimised for use in WLAN installations in the 2.4GHz spectrum for IEEE802.11 a/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.

Indoor operation

The iANT202 is suitable for indoor operation only as it is IP54 rated. The antenna is made from aluminium and ASA (a very rugged and durable plastic material that is resistant to effectively any chemical or contaminant found in industry). Connection is made via SMA female terminations.

Gain and Directionality

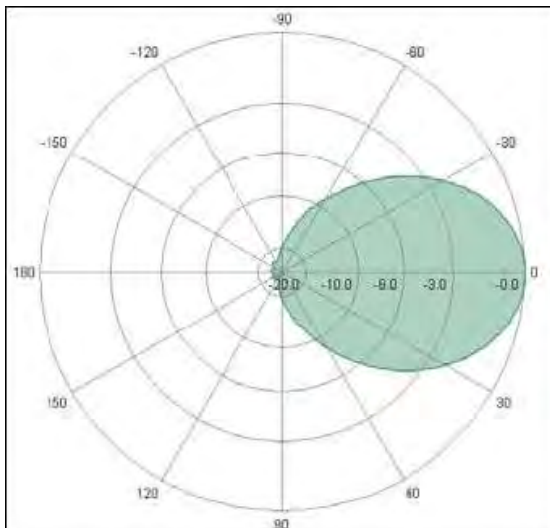
The antenna offers a high gain of 8.5 dBi as well as being directional (80° Azimuth 3dB beamwidth). It is ideally suited to providing sector coverage in indoor applications.

Easy Mounting

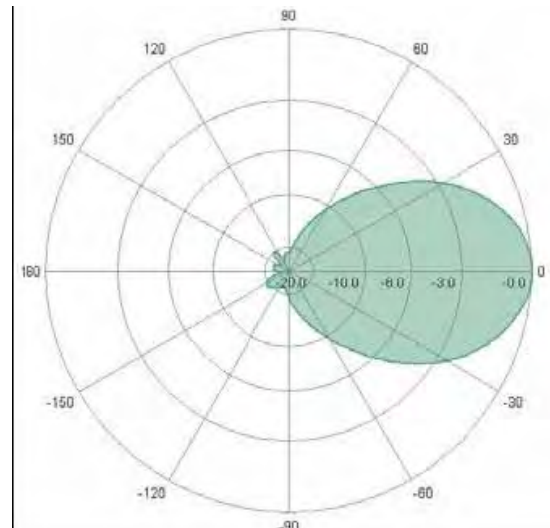
The antenna can be easily mounted and positioned with the aluminium bracket supplied. For details of alternative mounting options please contact Extronics.

Diagrammatical Data

Horizontal (H Plane) radiation pattern (Azimuth)



Elevation (E Plane) radiation pattern



Specification

Dimensions	101 x 95 x 32 mm (3.98" x 3.74" x 1.26")
Weight	110g (0.24 lbs.)
Connections	Antenna: SMA Male x 2
Frequency Range	2.3 - 2.5 GHz
Impedance	50 Ohms
Gain	8.5 dBi
VSWR	1.5
Polarisation	Dual Linear, $\pm 45^\circ$ slant
Azimuth Beam width (3dB)	80°
Elevation Beam width (3dB)	70°
Down tilt	0°
Port-port isolation	30dB
Front-back ratio	18dB
IP Rating	IP54
Certification Type	Simple Apparatus
Certification	II 1 G Ex ia IIC T6

Ordering Information

Description

2.4 GHz Dual Planar WLAN antenna

Part Number

iANT202-24-1