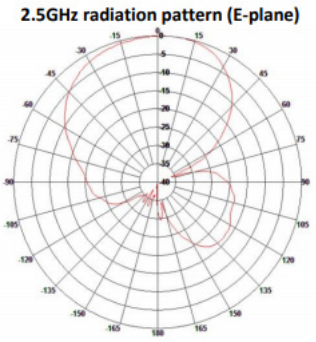
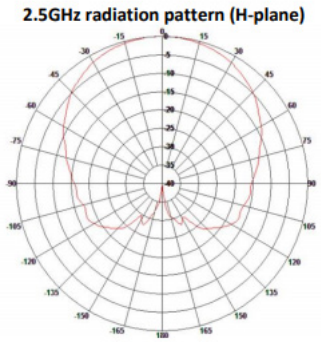
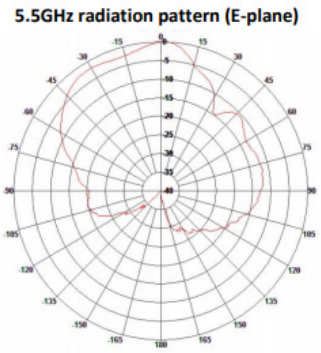
TECHNICAL DATASHEET

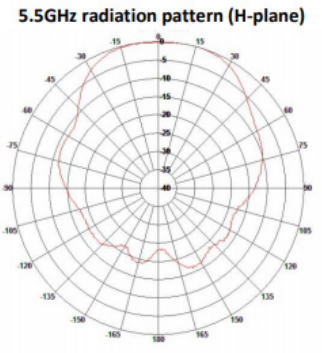
EXTRONICS

iANT 221









Directional dual band 2x2 MIMO simple apparatus Wi-Fi antenna.

Safe to use in hazardous areas when connected to an intrinsically safe RF output, such as the iWAP series or other solutions using the iSOLATE501

Optimised for use in 2.4/5.8GHz WLAN installations or wireless mesh Ethernet networks

2.4 GHz and 5 GHz dual band, ideal for Wi-Fi applications

Assessed by Extronics engineers as simple apparatus	Combined vertical and cross polarisation
Rugged with wide temperature range - use indoors or outdoors	Directional coverage with up to 7.5 dBi gain
Supplied with cables, connector, and mounting bracket	Easy to install, no specialist tools needed

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SPECIFICATION

Frequency range	2.4 - 2.5 GHz and 5.15 - 5.875 GHz
Gain	2 x 7.5 dBi
VSWR	1.8 : 1
Polarisation, dual pole	Dual slant ±45°
Horizontal 3dB beam width	70° (2.4GHz) and 65° (5GHz)
Vertical 3dB beam width	65° (2.4GHz) and 60° (5GHz)
Input power, max.	20 W
Nominal input impedance	50 Ohms
Wind speed	200km/h (survival)
Radome material	UV protected polycarbonate
Backplate material	Aluminium, protected through chemical passivation
Flammability	UL94
Ingress protection	IP67
Operating temperature	-40°C to +70°C
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Dimensions	H200 x W200 x D33 mm
Weight	260g
RF connections	Supplied with 2 x RG316 cables & N-Male connector (1m)
Vibration	According to IEC 60721-3-4
Mounting	Supplied with aluminium wall mount bracket

ORDERING INFORMATION

IANT221	iANT221 dual band 2.4GHz and 5GHz 2x2 MIMO directional antenna