

iANT216 Dual Band Wi-Fi Antenna



- Omni-directional
- 2.4GHz and 5GHz antenna
- 6dBi gain
- IP67 and highly rugged
- For indoor or outdoor use
- Direct (iANT216M) and remote (iANT216F) mounting options
- Assessed as simple apparatus
- Suitable for Groups I, II, III

Use in hazardous areas

The iANT216 antennas have been assessed by Extronics engineers as meeting the international intrinsic safety standards for simple apparatus. This means they are safe to use in hazardous areas when connected to a suitable certified wireless device with an intrinsically safe RF output, such as the iWAP107 or other solutions using the iSOLATE501.

The iANT216 antennas cannot be used in the hazardous area when connected to an RF source that is not intrinsically safe.

Easy to mount

The iANT216M antenna can be easily mounted directly onto a female N-Type chassis connector. The iANT216F has a female N type connector and comes with a stainless steel L-bracket for remote mounting.

Optimised for WLAN applications

The iANT216 antennas are optimised for use in WLAN installations in the 2.4GHz/5.8GHz spectrum for IEEE802.11 b/g/n/ac wireless networks or 2.4GHz/5.8GHz wireless mesh Ethernet networks. The dual band functionality ensures users can install the latest hardware which utilises both the 2.4 and 5.8GHz frequencies at the same time, or change their wireless device operating frequency without the need to replace antennas.

Indoor and outdoor use

The iANT216 antennas can be used both indoors and outdoors. They are made from durable UV-resistant glass fibre with good thermal shock resistance. Rated to IP67 and with a temperature range of -40°C to +85°C, the iANT216 antennas are suitable for most applications.



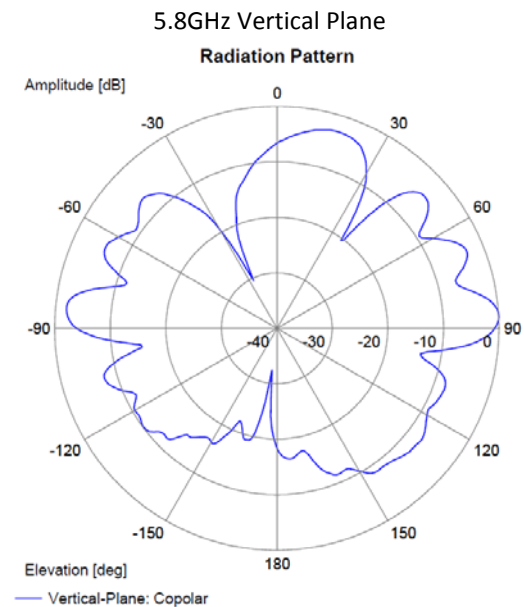
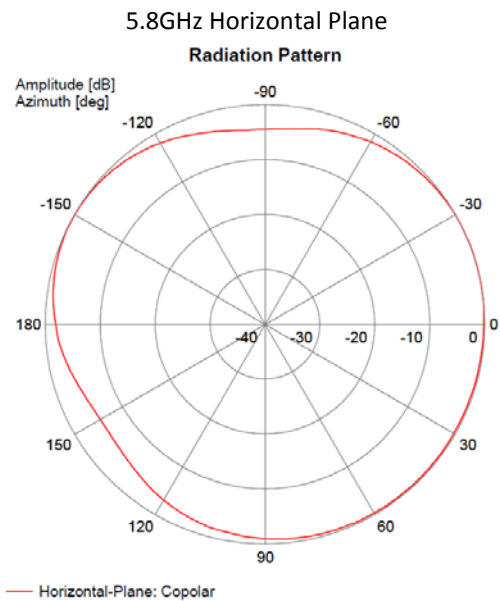
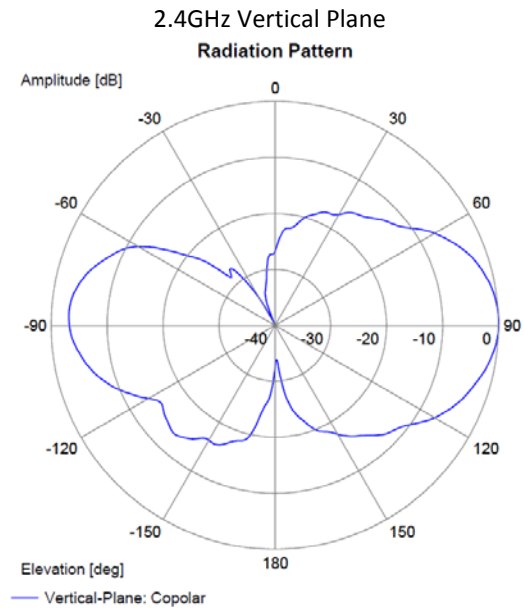
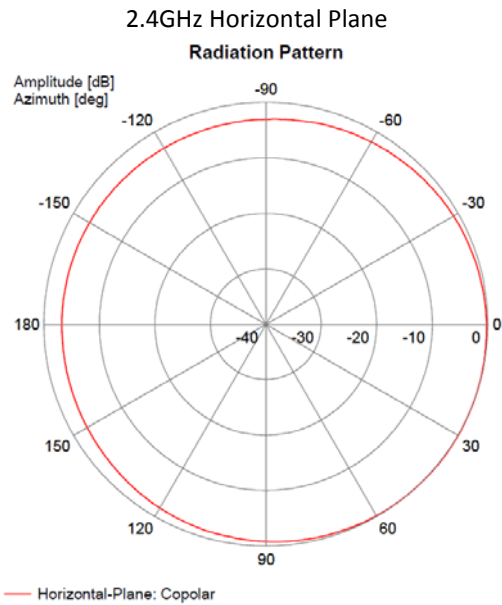
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403446-3.0

Radiation Patterns



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Specification

Frequency band	2.3-2.5GHz	4.8-5.15GHz	5.15-6.00GHz
Gain	6dBi	5dBi	6dBi
VSWR	1.5	1.7	1.7
Polarisation	Vertical		
Horizontal plane beam width	360°		
Vertical plane beam width	20° 2.4Ghz 12° above 4.8GHz		
Composite power max	25W		
Nominal input impedance	50 Ohm		
Random material	White glass fibre		
Ingress protection	IP67		
Temperature range	-40° C to +85° C		
Humidity	95%		
Dimensions	250 mm x 25 mm		
Weight	iANT216M 150g iANT216F 300g (including bracket)		
RF connection	iANT216M N-type male iANT216F N-type female		

Ordering Information

iANT216 dual band Wi-Fi antenna, Male N-type direct mount

iANT216M

iANT216 dual band Wi-Fi antenna, Female N-type remote mount

iANT216F

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