

Directional Antenna Kit

Confidea G3 WCAP Directional Antenna Kit



Description

The Directional Antenna for the Confidea G3 WCAP increases the robustness of the wireless signal by offering a more directional radiation pattern. It is compact and easily mounted.

In some buildings, specific structural materials can reduce the RF signal propagation and therefore limit the maximum reach and/or absorb RF signals which may result in loss of link quality. Especially rooms with a lot of wood furniture, ceilings, or wall covering may require the use of a directional antenna to improve the RF link quality.

With a small footprint and both an adjustable pole mount bracket and a wall mount bracket, installation is quick and simple

The antenna provides gain of 10 dBi, yet allows a generous 120 degree sector. Front to back ratio on all models is maintained at better than 25 dB. This allows true sectorization or alternatively, services can be isolated to different areas.

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The kit includes several parts:

- » Directional antenna 120° 10dBi PS10-5500-120μ
- » Mechanical parts
- » SMA Female to N Male Adapter (antenna-cable adapter)
- » SMA Female to Reverse Polarity SMA Male (WCAP-cable adapter)
- » Cable SMA male to SMA male LMR240 L=2m
- » Cable SMA male to SMA male LMR240 L=3m
- » Optional interconnection adaptor to connect 2 LMR240 cables
- » Optional wall mount adapter

Certification

Region	Certification
Europe	CE

Specifications

Mechanical	
Material	Polystyrene
Color	Light Grey
Size (mm)	76 (w) × 320 (h)
Weight	450 g
Electrical	
Frequency	5.0-6.0 GHz
Gain	10 dBi
VSWR Max	2:1
Impedance	50 Ω
Maximum power	25 W
Beamwidth	120 degree Az, 11° El
Front to back ratio	25 dB or better
Lightning projection	External recommended
Maximum wind velocity	125+ mph (193 kph)
Environmental	
Operating temperature	-40°C – 85°C