

Vertical WiFi Collinear Antenna

2.4GHz
COL2400



These antennas meet the exacting performance criteria for spread spectrum operation, including those of the IEEE802.11 wireless standard. This range of rugged, collinear antennas offers an omni pattern, with gains ranging from 6dBi to 10dBi, enabling optimum network configuration.

The patented PCB based design delivers superior pattern stability across the entire band avoiding inherent pattern tilting common in more traditional collinear designs.

Their UV stable white fiberglass housing make them the ideal choice in a wide range of industrial spread spectrum applications.

Features:

- Tightly controlled radiation patterns for optimum coverage
- Rugged construction meeting all installation requirements
- Small unobtrusive design
- PCB design for optimum RF pattern stability
- Also available in mobile configurations with spring base



Electrical Specifications

Model Number	COL2406	COL2408	COL2410
Frequency MHz	2400 - 2500		
Nominal Gain dBi	6	8	10
Tuned Bandwidth MHz	100		
VSWR	<1.5:1		
Nominal Impedance Ω	50		
Vertical Beamwidth	22.2°	16.5°	8°
Horizontal Beamwidth	360°		
Input Power W	25		

Mechanical Specifications

Model Number	COL2406	COL2408	COL2410
Construction	White fibreglass radome with stud mount base		White fibreglass radome with stainless steel mounting tube
Length mm	340	430	1095
Weight kg	0.17	0.2	0.25
Suggested Clamps	1 x MM2 bracket supplied		2 x Stainless steel hose clamps supplied
Cable & Connector	200mm of 9006 cable terminated with N female connector		500mm of 9006 cable terminated with N female connector
Certificates	IP65		