

# ZCG LoRa Base Station High Gain Collinear Antenna, 915 to 928 MHz, 8 dBi, N Female

SKU: ACC-ZC-00063

MPN: CMG920-6

## Description

The ZCG LoRa Base Station High Gain Collinear Antenna, suitable for the 915 to 928 MHz frequency range, is designed to enhance RF communication and broadcasting. Offering 8 dBi peak gain, this vertical polarised antenna ensures efficient signal transmission with a VSWR of less than 1.5:1. Constructed from durable fibreglass and stainless steel, it is robust and reliable for various environmental conditions.

This collinear antenna supports up to 20 W input power and has a 50  $\Omega$  impedance, making it ideal for applications requiring stable and efficient performance. Its omnidirectional azimuth beamwidth of 360° allows comprehensive coverage, while the 12° elevation beamwidth focuses vertical signal distribution. The antenna features a single N Female interface, connected via a 530 mm RG-58 cable, providing ease of installation and integration into existing systems.

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# RF Specification

Start Frequency:	915 MHz	Polarisation:	Vertical (V)
Stop Frequency:	930 MHz	Input Impedance:	50
Max. Input Power:	20 W		

## RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	N Female	Straight	RG-58	530 mm

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
915 MHz	930 MHz	8.1 dBi	< 1.5:1	360°	12°

# Physical Specification

Subtype:	Collinear	Dimensions:	2450 x 38.1 x 700
Input Ports:	1	Materials:	Fibreglass (GRP), Stainless Steel (304)
MIMO:	1x1 SISO	Weight:	2 kg

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