

# ZCG LoRa 9-Element Yagi Antenna, 868 to 928 MHz, 13.6 dBi, N Female

SKU: ACC-ZC-00067

MPN: Y809B-R

## Description

The ZCG LoRa 9-Element Yagi Antenna, SKU: ACC-ZC-00067, is designed for optimal performance in the 868 to 928 MHz frequency range. With a gain of 13.6 dBi, it is ideal for enhancing long-range radio frequency communication, particularly in LoRa applications. The antenna is constructed from durable aluminium, ensuring lightweight and robust performance with a total weight of just 0.7 kg.

This Yagi antenna features a single N Female connector, supporting up to 50 W of input power, and is designed for linear polarisation. Its impressive front-to-back ratio of over 15 dB and a VSWR of less than 1.5:1 guarantee efficient signal transmission and reception. The compact design, measuring 970 x 47 x 200 mm, allows for easy installation in various environments.

Manufactured by ZCG Scalar, a renowned Australian company, the Y809B-R model reflects over 50 years of expertise in RF solutions. ZCG Scalar is known for its innovative approach to antenna...

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### ZCG Scalar

ZCG Scalar™ is a world class radio frequency antenna designer, manufacturer and consulting organisation that offer an integrated approach to identifying RF solutions in partnership with client needs.

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# RF Specification

## Y809-R

Start Frequency:	868 MHz	Polarisation:	Linear
Stop Frequency:	928 MHz	Input Impedance:	50
Max. Input Power:	50 W		

### RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight

### Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	F/B Ratio
868 MHz	928 MHz	11.5 dBi	< 1.5:1	> 15 dB

# Physical Specification

Subtype:	Yagi	Dimensions:	970 x 47 x 200
Input Ports:	1	Materials:	Aluminium
MIMO:	1x1 SISO	Weight:	0.7 kg

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