

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

## **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...

[Read More](#)



### [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.

ZCG Scalar™ is an Australian owned business operating since 1970. We manufacture hundreds of antenna models to suit your RF communication and broadcasting requirements. The design and development of ...

## **RF Specification**

## Y809-R

Start Frequency

868 MHz

Stop Frequency

928 MHz

Max. Input Power

50 W

Polarisation

[Linear](#)

Input Impedance

50  $\Omega$

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](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Dimensions

970 x 47 x 200

Materials

[Aluminium](#)

Weight

0.7 kg

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual

property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

