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# 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.

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 | Polarisation: | Linear |
| Stop Frequency: | 928 MHz | Input Impedance: | 50 Ω |
| 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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