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## **ZCG LoRa 15-Element Yagi Antenna, 868 to 928 MHz, 16 dBi, N Female**

SKU  
ACC-ZC-00068  
MPN  
Y815B-R

### **Description**

The ZCG LoRa 15-Element Yagi Antenna (SKU: ACC-ZC-00068), part number Y815B-R, is engineered for optimal performance in the 868 to 928 MHz frequency range, making it ideal for LoRa and IoT applications. With a substantial gain of 16 dBi, this antenna ensures robust signal strength and extended communication range. Made from durable aluminium, it is lightweight at just 1 kg, and its dimensions of 1850 x 47 x 200 mm make it suitable for various installations.

The antenna's single N Female RF connection and linear polarisation enhance signal clarity and reliability. It supports up to 50 W of input power with an impedance of 50  $\Omega$ , ensuring compatibility with most RF systems. This Yagi antenna features a peak gain of 14 dBi, a VSWR of less than 1.5:1, and provides an elevation beamwidth of 28° and an azimuth beamwidth of 30°, with a front-to-back ratio exceeding 15 dB, delivering focused and precise signal transmission.

Manufactured by ZCG...

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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**

## 15 Element Yagi

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	Azimuth	Elevation	F/B Ratio
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868 MHz	928 MHz	14 dBi	< 1.5:1	30°	28°	> 15 dB
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## Physical Specification

Subtype

[Yagi](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Dimensions

1850 x 47 x 200

Materials

[Aluminium](#)

Weight

1 kg

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