

# 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 Ω, 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.

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### ZCG Scalar

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# RF Specification

## 15 Element Yagi

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

# Physical Specification

Subtype:	Yagi	Dimensions:	1850 x 47 x 200
Input Ports:	1	Materials:	Aluminium
MIMO:	1x1 SISO	Weight:	1 kg

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