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 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.

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.

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RF Specification

15 Element Yagi

Start Frequency
868 MHz
Stop Frequency
928 MHz
Max. Input Power
50 W
Polarisation
Linear
Input Impedance
50 Ω
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
Input Ports
1
MIMO
1x1 SISO
Dimensions
1850 x 47 x 200
Materials
Aluminium
Weight
1 kg

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