

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...

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

15 Element Yagi

Start Frequency:	868 MHz	Polarisation:	Linear
Stop Frequency:	928 MHz	Input Impedance:	50
Max. Input Power:	50 W		

RF Connectors

PortsRF InterfaceBody Shape1N FemaleStraight

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

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.

