



THDRLR8

Thunder Series

Integrated Directional 868 MHz Antenna for
your LoRa device.

- Integrated 868MHz antenna
- Cavity to install LoRa device
- Robust, IP67 Rated Enclosure

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Thunder Series THDRLR8

Integrated Directional Antenna for your LoRa Device

INTERGRATED DIRECTIONAL 868 MHZ ANTENNA + PLACE TO INSTALL LoRa DEVICE (ALL-IN-ONE)

The **THDRLR8** operates at 868 MHz (EU868, IN865, RU864) with 12.5dBi gain. Experience unparalleled reach with this high-gain directional antenna. Its advanced design enables your LoRa devices to communicate effectively over long distances, even in challenging outdoor environments. Comparing to omnidirectional antenna, sector antenna transmits signal to a farther distance because of the antenna's directional gain. Advanced mounting system gives significant advantage that it can be adjusted in the range of +/-35 degrees in two planes, also in case of wall mounting.

Unlock the full potential of your LoRa-based IoT applications with our directional, outdoor LoRa antenna. Experience extended range, reduced interference, and enhanced connectivity for your LoRa networks. Trust in its durability, precision, and ease of installation to elevate the performance of your IoT solutions. Using integrated Nf connectors allows to connect cables of any length.





ANTENNA SPECIFICATION

FREQUENCY	868 MHz [EU868, IN865, RU864]
GAIN	12.5 dBi
VSWR	<1.80, MAX <2.00
BEAMWIDTH	90° / 30° ±30°
POLARIZATION	Vertical
IMPEDANCE	50Ω
FRONT TO BACK	>24 dB

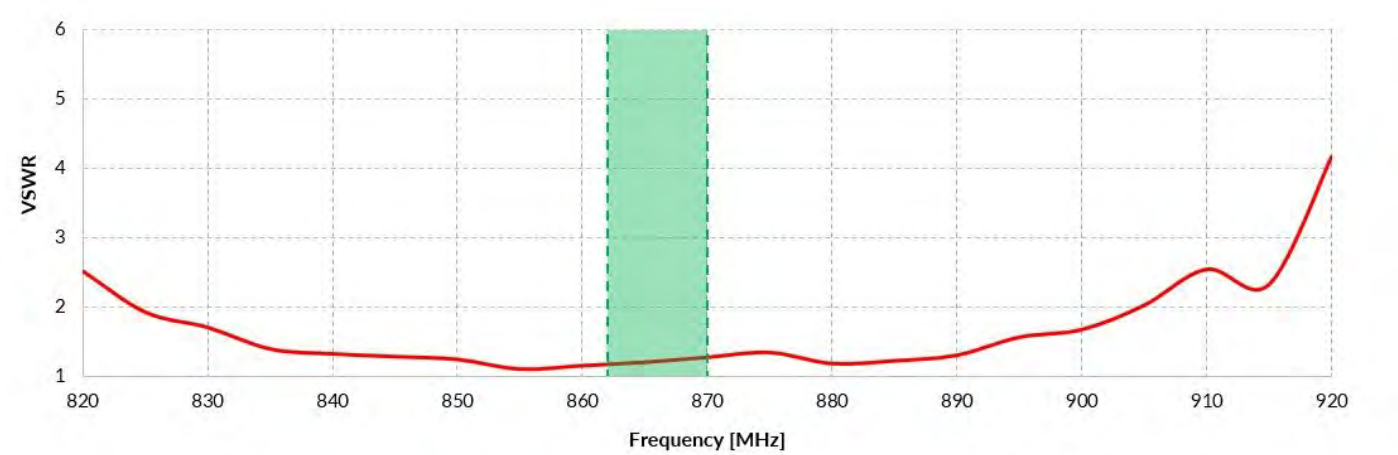
MECHANICAL SPECIFICATION

MATERIAL	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	NF
INGRESS PROTECTION	IP67
DIMENSIONS	290.0 x 480.0 x 76.0 mm 11.41 x 18.89 x 2.99 inch
WEIGHT	2.0 kg 4.4 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
OPERATING TEMPERATURE	25 - 66 mm 0.98 - 2.60 inch

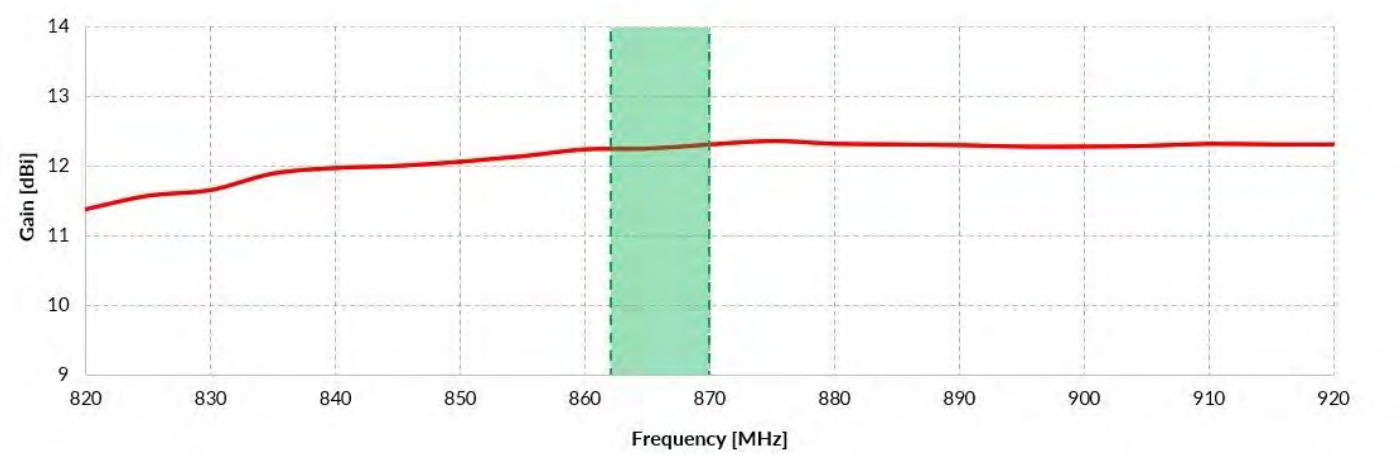


PLOTS

VSWR

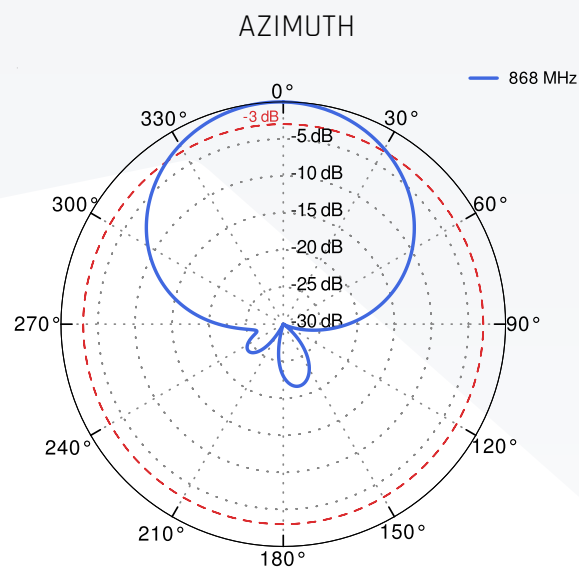
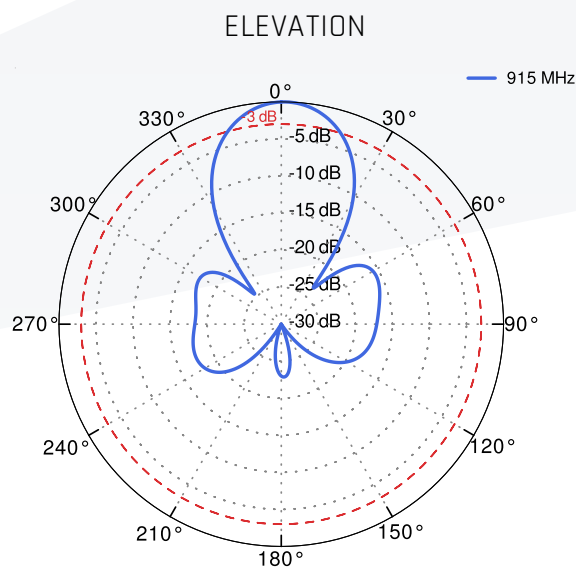


Gain

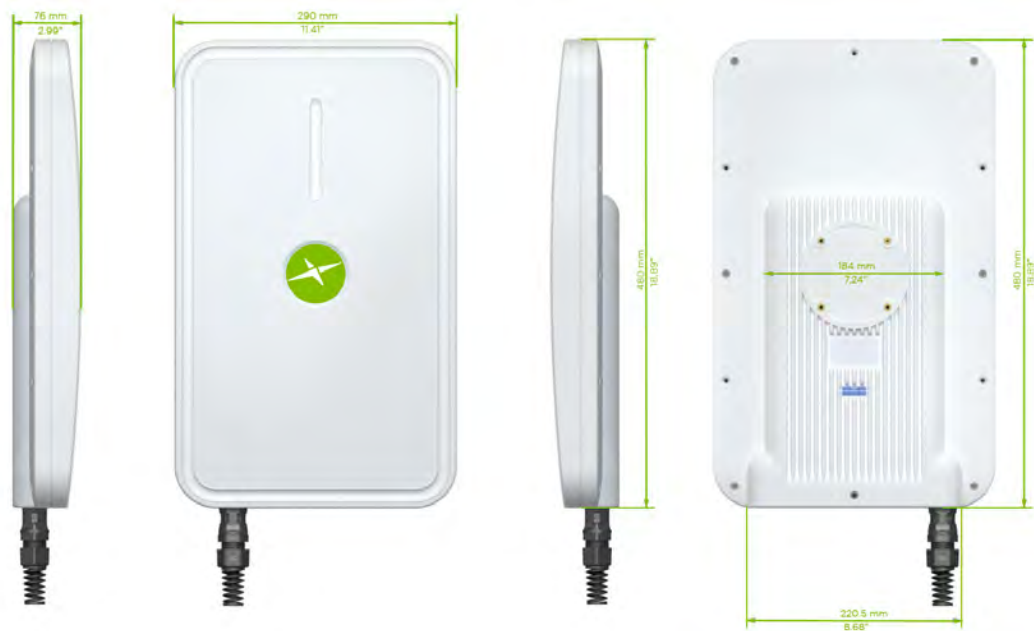




868 MHz



DIMENSIONS



DIMENSIONS

290.0 x 480.0 x 76.0 mm
11.41 x 18.89 x 2.99 inch