

# QuPanel LoRa 868MHz Nf

## Directional 868MHz Nf LoRa outdoor antenna

QuPanel LoRa EU operates at 868MHz (EU868, IN865, RU864) with 8.5dBi gain, making it the perfect choice for extending the reach and reliability of your Long Range (LoRa) wireless communication networks. The outdoor sector antenna is compatible with Helium Network devices like SenseCAP M1 and other IoT Gateways. 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.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68



WALL OR POLE MOUNTING BRACKET



NF CONNECTOR



75° BEAMWIDTH



8.5DBI GAIN



## ANTENNA SPECIFICATION

<b>FREQUENCY</b>	868 MHz (EU868, IN865, RU864)
<b>GAIN</b>	8.5 dBi
<b>VSWR</b>	<1.80, max <2.00
<b>BEAMWIDTH</b>	75°/75° ±10°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω
<b>FRONT TO BACK</b>	>17 dB

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, Fiberglass
<b>CONNECTOR TYPE</b>	Nf
<b>INGRESS PROTECTION</b>	IP68
<b>DIMENSIONS</b>	270x270x77 mm 10.62x10.62x3.03 inch
<b>WEIGHT</b>	1.5 kg 3.31 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 75°C From -40°F to 167°F

**MAST DIAMETER**

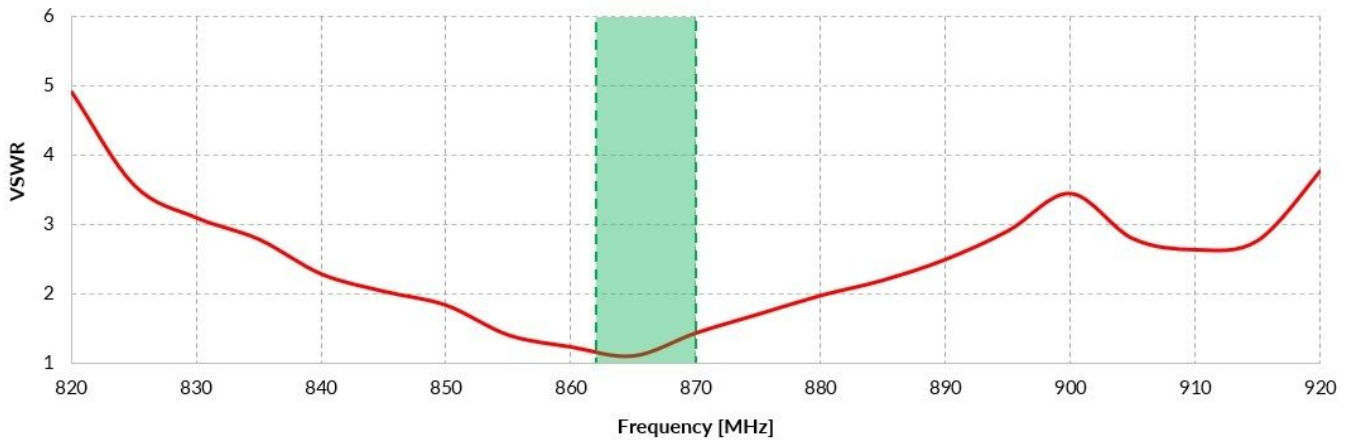
25-66mm  
0.98-2.60 inch

## **COMPATIBLE ROUTERS**

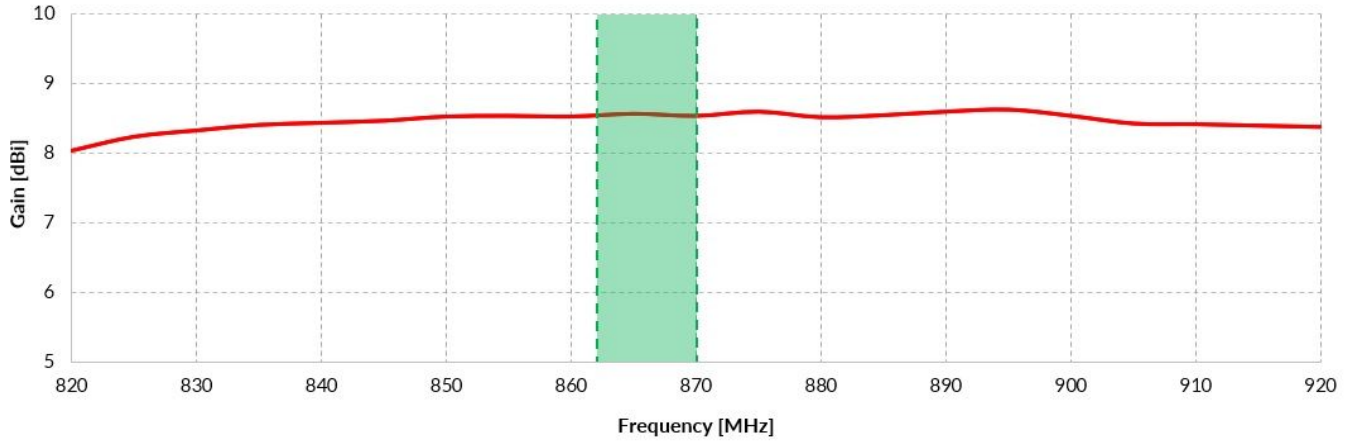
VARIANT: AS868-N

## **PLOTS**

VSWR



## Gain



## 868 MHz

