

# QuPanel Box LoRa

## Directional 868+915MHz LoRa outdoor antenna + space for electronics

QuPanel Box LoRa operates at 868MHz (EU868, IN865, RU864) and 915MHz (US915, AU915, AS923, KR920) 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.

The design allows for the installation of LoRaWAN/IoT gateways like SenseCAP M1 inside the antenna housing. 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.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



WALL OR POLE MOUNTING BRACKET



SPACE FOR INSTALLING ELECTRONICS INSIDE THE HOUSING



75° BEAMWIDTH



POE 8.5DBI GAIN



## ANTENNA SPECIFICATION

<b>FREQUENCY</b>	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
<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>	RPSMA
<b>INGRESS PROTECTION</b>	IP67
<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**

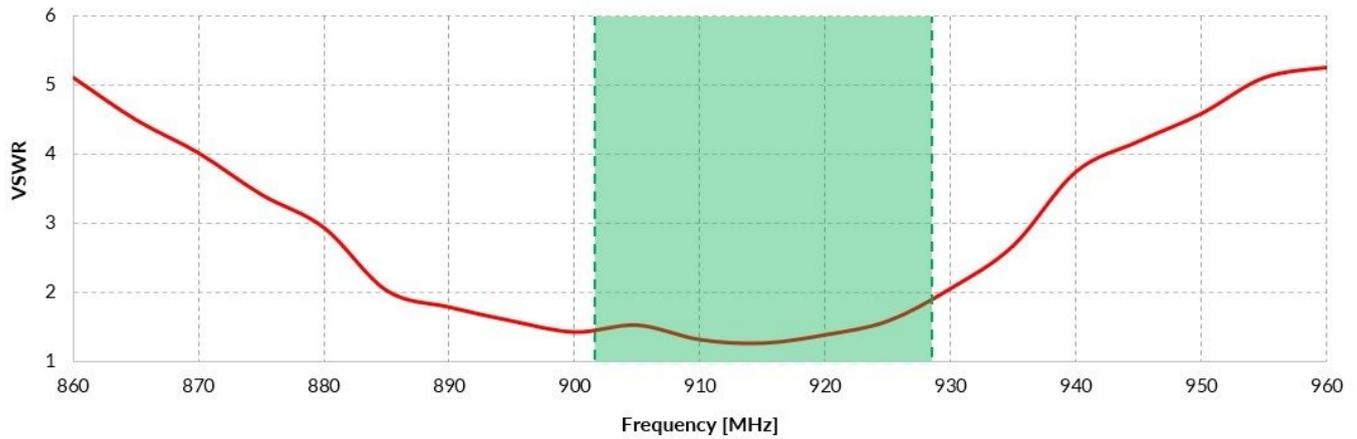
25-60mm  
0.98-2.35 inch

## **COMPATIBLE ROUTERS**

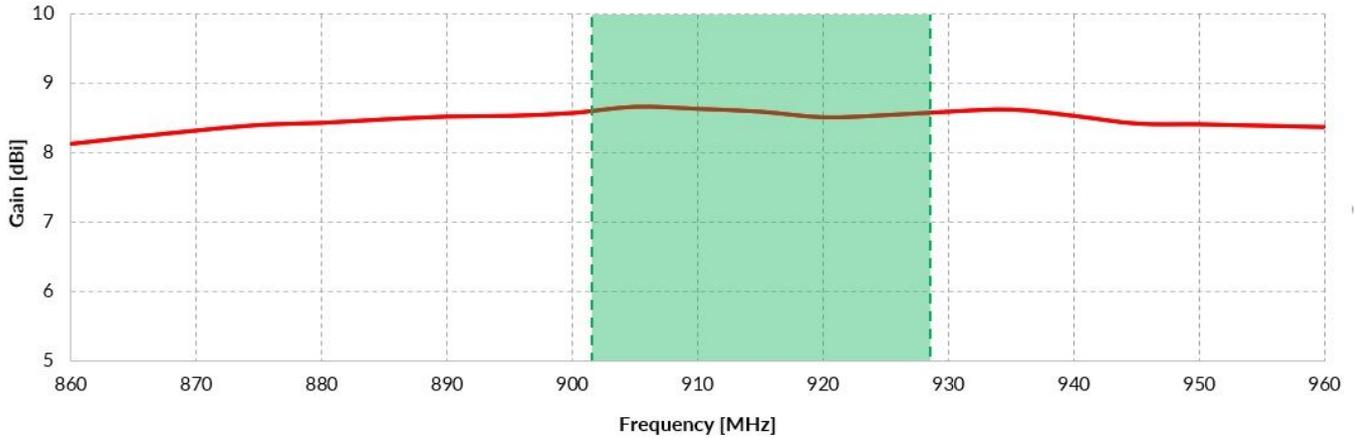
VARIANT: ASDB

## **PLOTS**

VSWR



## Gain



## 915 MHz

