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.

868MHz | 9 dBi | SISO | DIRECTIONAL | HELIUM | IP 68



ANTENNA SPECIFICATION

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

MECHANICAL SPECIFICATION

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

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

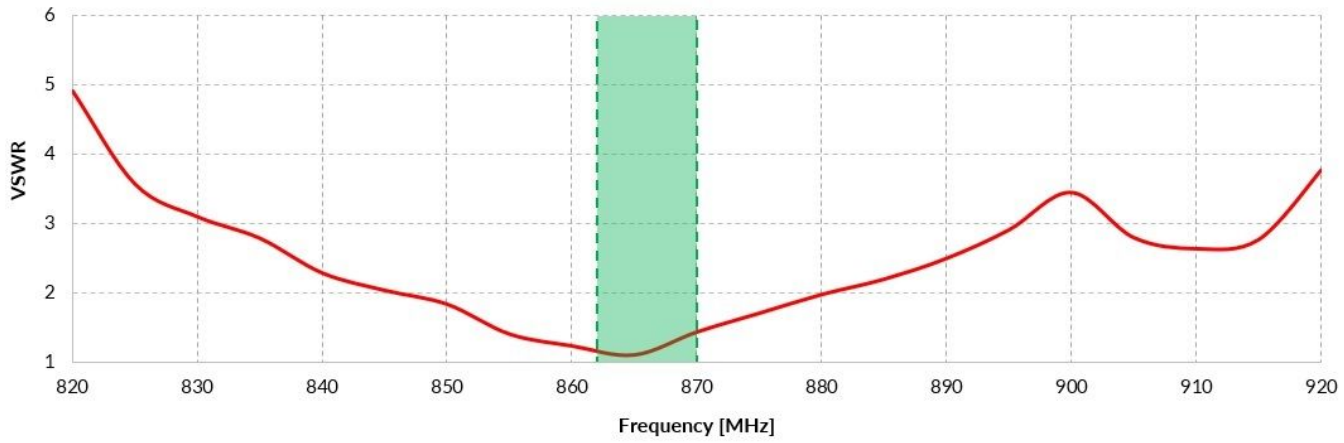
MAST DIAMETER	25-66mm 0.98-2.60 inch

COMPATIBLE ROUTERS

VARIANT: AS868-N

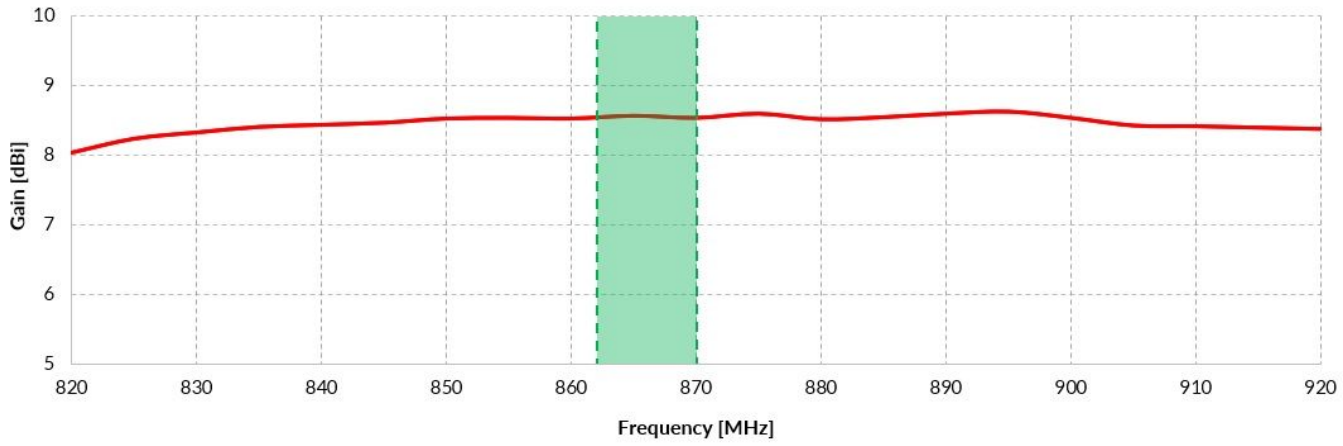
PLOTS

VSWR



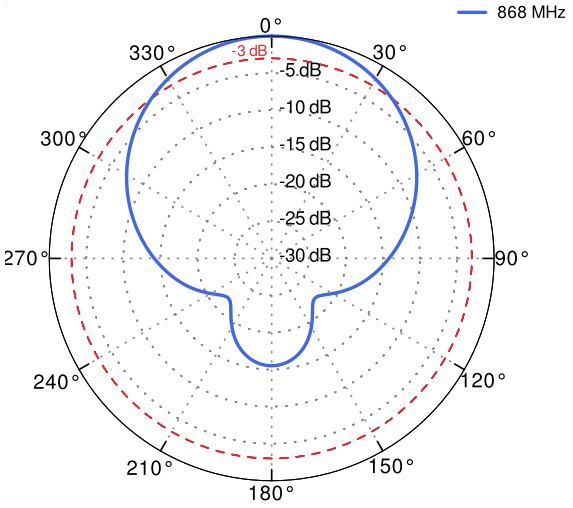
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

Gain

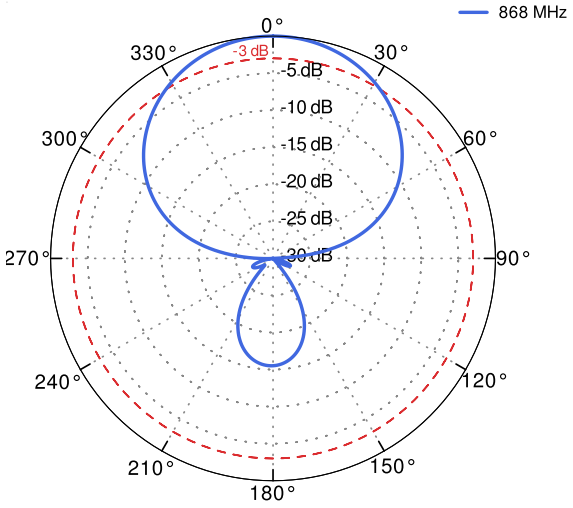


868 MHz

ELEVATION



AZIMUTH



QuWireless
WWW.QUWIRELESS.COM
Sales email: sales@quwireless.com **Tel:** +48 513 900 416
Support email: support@quwireless.com **Website:** www.quwireless.com
Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.