



NEBRA

NEBRA 3dBi GLASS FIBER LoRa ANTENNA DATASHEET



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Product Overview

Nebra Glass Fiber antenna suitable for RF applications with a wide frequency range. If you need maximum distance for your LoRa Gateway you will need this durable, outdoor antenna with a 3dBi gain to achieve great distances. The antenna is 300mm long and made of fiberglass and aluminum. This antenna is ideal for heavy duty and high- power LoRa base stations such as Helium miners.



Antenna Specification

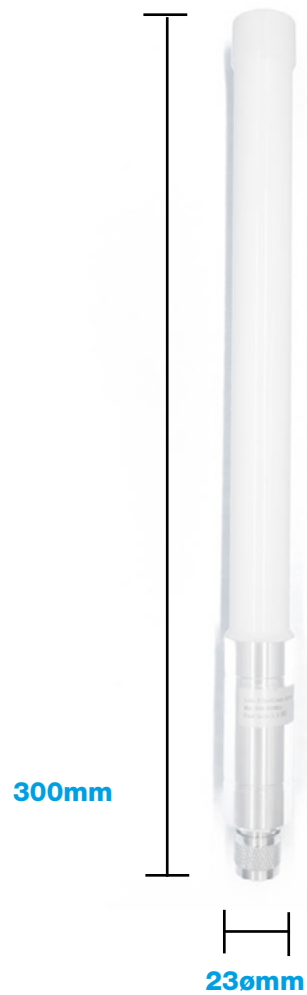
| SPECIFICATION | 3dBi Antenna |
|------------------------|----------------------|
| Frequency | 860-930MHz |
| Polarization Type | Vertical |
| Antenna Size | 23*x300mm |
| Antenna Cover Material | Glass Fibre |
| Connector Type | N-Type |
| Operating Temperature | -20°C - +85°C |
| Mounting | Bracket installation |
| Lightning Protection | DC grounding |
| Wind Resistance | 60m/s |
| Weight | 283g |
| Radiation Direction | Completely |
| Input Impedance | 50Ω |
| Gain | 3±0.2 |
| V.S.W.R | ≤1.5 |
| Colour | White/Grey |
| Cable Length** | 1m |
| Cable Type** | RG141 |

*Maximum diameter at the top of the antenna. Main antenna body is ø20mm.

**For pigtail adaptor (N-Type to SMA)

Dimensions

Dimensions listed below include N type connector and are absolute maximum dimensions.



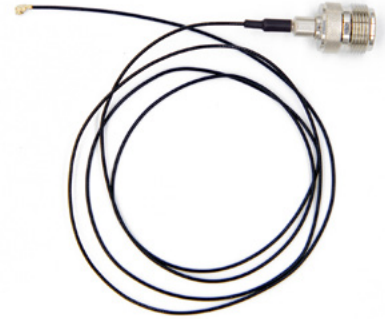
Compliance Information

RoHS

This antenna has been tested under the EU RoHS Directive 2002/95/EC.

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Whats Included



- U-bracket
- 1m RP-SMA male to N-Type female cable
- 1m UFL to N-Type female cable

Nebra Part Numbers

| SKU | Frequency Range | Barcode |
|----------|-----------------|---------------|
| NBR-0040 | 860 - 930MHz | 0646648341022 |
| NBR-0041 | 420 - 470MHz | 0646648341039 |
| | | |
| | | |
| | | |



Trademarks

Nebra, the Nebra Logo are all trademarks of Nebra LTD t/a Pi Supply (UK Company Number 06732600)

Warranty Information

All goods supplied by Nebra Ltd are warranted free from defects for 12 months from the date of supply. Warranty will cover hardware only and where possible we will repair or replace if sufficient evidence is provided of a possible defect.

Contact Information

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East Sussex, TN3 9BJ, England

Change Notes

| Version | Date | Change | Initials |
|---------|------------|-----------|----------|
| v1.0 | 16/03/2022 | Draft | CR |
| v1.1 | 14/04/2022 | Published | CR |
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