



NEBRA

NEBRA 5.8dBi 860-930MHz GLASS FIBER LoRa ANTENNA DATASHEET



[Scan to view online docs](#)

TABLE OF CONTENTS

Product Overview	3
Antenna Specification	3
Dimensions.....	4
Compliance Information.....	4
RoHS	4
Whats Included	5
Nebra Part Numbers	5
Trademarks	6
Warranty Information	6
Contact Information.....	6
Change Notes	6

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 5.8dBi gain to achieve great distances. The antenna is 500mm 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	5.8dBi Antenna
Frequency	860-930MHz
Polarization Type	Vertical
Antenna Size	23*x500mm
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	320g
Radiation Direction	Completely
Input Impedance	50Ω
Gain	5.8±0.2
V.S.W.R	≤1.5
Colour	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)

NEBRA

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.

NEBRA

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-0042	860 - 930MHz	0646648341046
NBR-0043	420 - 470MHz	0646648341053



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

United Kingdom, London

Email: sales@nebra.com

Address: Unit 4 Bells Yew Green Business Court, Bells Yew Green,
East Sussex, TN3 9BJ, England

Change Notes

Version	Date	Change	Initials
v1.0	06/04/2022	Draft	CR
v1.1	14/04/2022	Published	CR