

## AN440 Dual RFID antennne, IP67, 865-868 MHz and 902-928 MHz, 6 dBi

The Motorola AN440 dual RFID antenna meets due to its robust design and high reading performance all requirements for use in harsh industrial environments. The antenna can be used either as dual wide array reader or as two separate monostatic antenna. ideal balance of high performance and low cost price. Warning: this is the dual antenna, there are 2 antenna cables required for connection!

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Product line RFID antennas from Motorola offers maximum performance and flexibility. Utilising a proven technology with quality design these antennas achieve better performance. Wide frequency range allows the antennas to use in a variety of deployment. Antennas offers to cover any environment, both indoor and outdoor use primarily. Due to the high industrial IP67 rugged design withstands the antenna from rain, dust and strong vibrations. Of course there is mounting on the wall or ceiling, which is very fast and easy.

**The main properties of dual RFID antenna Motorola AN440:**

- Industrial coverage IP67- suitable for harsh industrial environments
- 6 dBi high gain
- Easy installation
- high read performance
- possibility of bi-static or mono-static use



# Technical Description

## Functionality & Operation

Polarization	LHCP, RHCP
Connectors	Type "N" female
Frequency	UHF: 865 - 868 MHz (EU)
Maximal transmit power	10W

## Electrical

Gain	6dBi
Axial ratio	1dB
Front to back ratio	20dB
Beam width	70° in both phases
Return loss (VSWR)	1.4:1

## Mechanical

Weight	1.9kg
Dimensions	Width: 575.1mm, Height: 259.1mm Length: 33.5mm

## Environment

Ingress protection	IP67
Operating temperature	-30 to 70°C
Storage temperature	-40 to 85°C
Vibrations resistance	IEC-68

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