

UHF Read/Write Antenna i- W900R



The RFID Planar Antenna of IDENTEC Solutions meets all demands for ranges up to 30 meters (100 feet).

The development of the RFID Antenna together with the fixed interrogator i-PORT is a very powerful combination for data communication. The antenna characteristic was chosen that way that even transponders that are mounted behind metal surfaces can be read and written.

Because of the dense antenna field a large number of data carriers in the field can be read.

The Anti-Collision-System enables the i-Antenna to read several data carriers at the same time.

The i-Antenna is very compact and lightweight, which guarantees a fast and easy installation. It is designed for the usage in industrial environments as well as extreme temperatures and wet environments.

Features:

- Antenna with linear field
- Good covering due to dense field
- Read-/write distances from a few centimeters up to 30 meters (100 feet)
- No interferences if several read-/write stations are used
- Very robust against environmental conditions
- Fast and easy installation

IDENDEC SOLUTIONS

IDENDEC SOLUTIONS is a leading global supplier of innovative RFID systems (Radio Frequency Identification) with communication ranges of up to 100 meters.

With its unique Intelligent Long Range® (ILR®) technology, IDENDEC SOLUTIONS offers innovative and economical solutions for automated data gathering, identification, tracking and localization of objects.

ILR® technology makes it possible to ensure that

- the right goods,
- in the right amounts,
- in the right condition,
- with the right information
- are located at the right place
- at the right time,

leading to increased efficiency and quality improvements in Production, Logistics and Supply Chain Management.

To learn more about how ILR® technology can increase efficiency of your business, contact IDENDEC SOLUTIONS or visit our website at www.identecsolutions.com.

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Version 5.23

Technical Specifications

Electrical

Working frequency:	870 / 915 MHz
Amplification (min.):	12,5 dBi
Emitted power	adjustable to max. 50 mW
Read-/write distance	0 to 30 m (100 feet)
Emission angle	azimuth: 55° elevation: 65°
Polarisation	linear

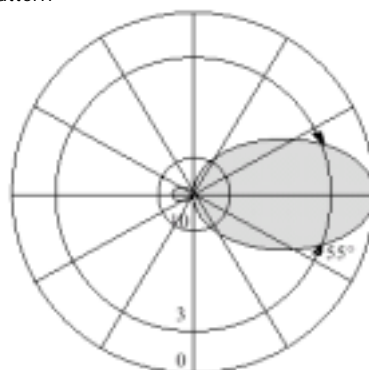
Environmental

Wind stability	150 mph
Operational temperature:	-30 °C to +60 °C (-22 F to 140 F)
Humidity:	90 %, non-condensing

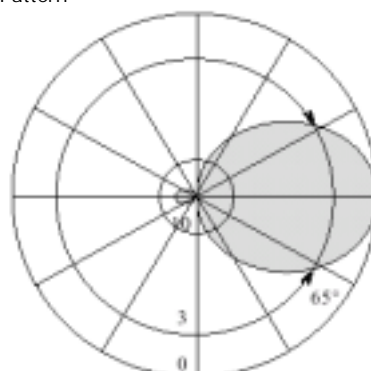
Physical

Material	Aluminium / ABS
Dimensions	280 x 280 x 65 mm (11,0" x 11,0" x 2,55")
Weight	approx. 1300 g (2,87 lbs)
Protective system	IP 54

Azimuth Pattern



Elevation Pattern



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