

UHF Read/Write Antenna i- A9185



The RFID Planar Antenna of IDEN TEC 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 rotating 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

IDEN TEC SOLUTIONS

IDEN TEC 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, IDEN TEC 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 IDEN TEC SOLUTIONS or visit our website at www.identecsolutions.com.

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Technical Specifications

Electrical

Working frequency:	870 / 915 MHz
Amplification (min.):	5 dBic
Emitted power	adjustable to max. 25 mW
Read-/write distance	0 to 30 m (100 feet)
Emission angle	azimuth: 360° elevation: 120°
Polarisation	elliptical

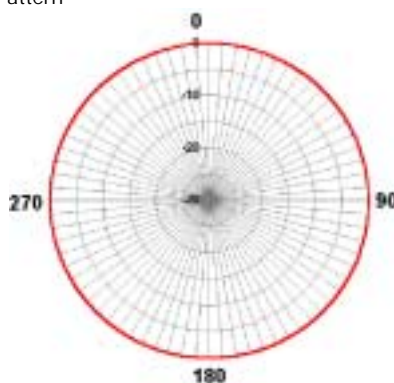
Environmental

Wind stability	150 mph
Operational temperature:	-40 °C to +70 °C
Humidity:	90 %, non-condensing

Physical

Material	Aluminium / ABS
Dimensions	178 x 178 x 152 mm (7" x 7" x 6")
Weight	approx. 430 g (0.95 lbs)
Protective system	IP 65

Azimuth Pattern



Elevation Pattern

