

UHF Read/Write Antenna i-A9185



IDEN TEC SOLUTIONS' elliptically polarised RFID antenna meets all the requirements for ranges of up to 100 meters (300 feet). Together with the i-PORT 3 fixed interrogator, this antenna creates a very powerful combination for data communication.

Because of the wide apex angle (120°), a large read zone is achieved, which is desirable when a large quantity of tags needs to be read at the same time, or when tags moving at great speeds need to be interrogated.

The antenna features have been chosen so that even tags in hard-to-reach places or mounted behind metal surfaces can be read and written to.

Since the antenna's polarisation is elliptical, the direction of the tag relative to the antenna does not matter.

The compact and lightweight characteristics of this antenna enable fast and easy installation. The antenna is designed for use in industrial environments as well as in extreme temperatures and damp surroundings.

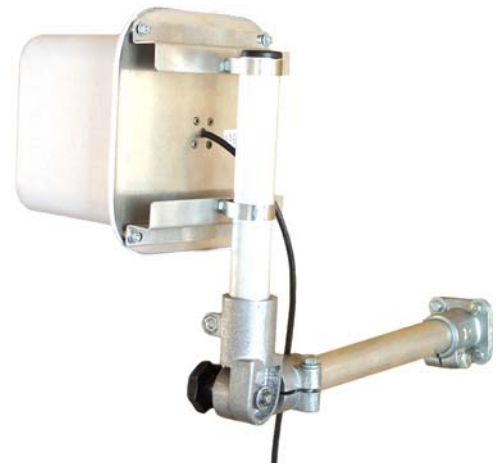
Features

- Antenna with rotating field
- Specially designed for identification of numerous tags at the same time
- Good covering due to dense field
- Read/write distances from a few centimeters up to 100 meters (300 feet)
- No interference if several read/write stations are used
- Very robust in difficult environmental conditions
- Fast and easy installation

Antenna Mounting System (optional)

The antenna mounting system serves to mount external UHF antennas from IDEN TEC SOLUTIONS' ILR® systems. Through a simple clamping principle, the aluminium-cast elements allow for rapid mounting both indoors and outdoors.

The system can easily be adapted to specific requirements thanks to the large variety of basic elements and the implementation of geared joints with a pivoting range of 180°. Additionally, the system is characterised by its high load capacity and stability.



IDENDEC SOLUTIONS

IDENDEC SOLUTIONS is the global leader in active wireless tracking solutions. A commitment to developing ground-breaking, industry-specific tracking solutions featuring proprietary patented technology has placed IDENDEC SOLUTIONS in the international forefront as a technology provider for innovation and as a complete solution provider in the automotive, oil, gas and mining industries.

Utilized by the world's leading organizations and system integrators, IDENDEC SOLUTIONS' award-winning technology portfolio offers robust, highly effective tracking solutions that manage critical process and optimize supply chain flow. Privately held since 1999, IDENDEC SOLUTIONS has provided asset management solutions and support to a variety of organizations, including an impressive roster of Fortune 500 clients such as Volkswagen, Audi, Deutsche Post and General Electric. Headquartered in Lustenau, Austria, the company's North American headquarters are located in Dallas, Texas, with customer service centers in Hong Kong, Germany, Australia and Norway. For more information, please visit: www.idendec.com.

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Technical Data

Electrical

Working frequency	850 - 930 MHz
Amplification (min.)	5 dBic
Emission angle	Azimuth: 360° Elevation: 120°
Polarisation	elliptical

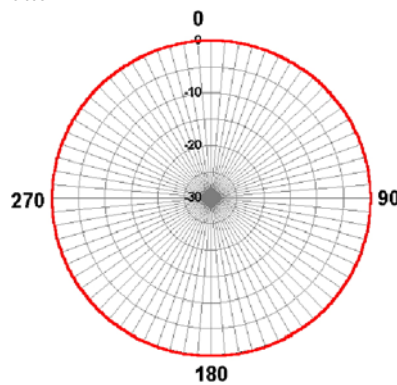
Environmental

Wind stability	150 mph
Operational temperature	-40 °C to +70 °C (-40 °F to 158 °F)
Humidity	90 %, non-condensing

Physical

Material	Aluminium / ABS
Dimensions	178 × 178 × 152 mm (7 in. × 7 in. × 6 in.)
Weight	approx. 430 g (1 lbs)
Protection	IP 65

Azimuth Pattern



Elevation Pattern

