



## MAXDURA® OUTDOOR

### Optimized Read Range for On-metal Tagging

SMARTRAC MAXDURA® OUTDOOR has been designed with a rugged construction for high durability for metallic surfaces. It offers excellent read range performance of over 10m in open-air environments for asset tracking applications, such as equipment, parts, containers, railway and warehouse components.

This RAIN RFID (UHF) hard tag, member of SMARTRAC's MAXDURA product family is a passive, battery-less transponder equipped with Alien Higgs-3 IC, including 512-bit user memory.

It offers a flexible read/write range depending on the reader. MAXDURA OUTDOOR housing is made of ABS, fulfilling ingress protection IP68. Other plastic materials and colors are available upon request. It can be easily fixed with screws and alternative it provides an adhesive tape on the backside for easy attachment for inhouse usage. MAXDURA OUTDOOR is also available for non-metallic applications.

Due to its excellent read range and high resistance, it is very well suited to tap the benefits of passive RFID in challenging outdoor environments for different industrial applications.

#### Overview

##### Operating Frequency

865-868 MHz (ETSI)

902-928 MHz (FCC)

##### Integrated Circuit (IC)

Alien Higgs 3

##### Dimension

90 × 34 × 7 mm

##### Material and Color

ABS, Blue

#### International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

#### Application Areas

- ▶ Automotive
- ▶ Industry
- ▶ Supply Chain & Asset Management

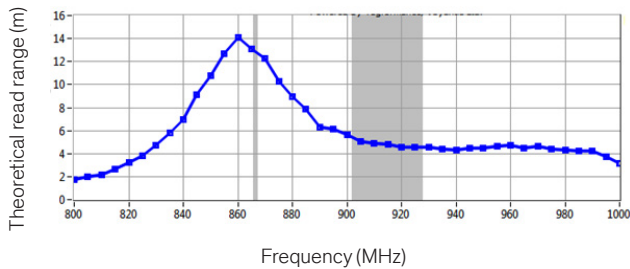
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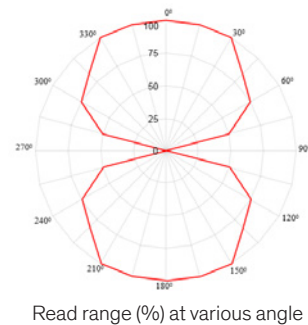
Technical Features	
IC + Memory*	Alien Higgs-3, EPC 96 bit extendable up to 480 bits 512 bit user memory Data retention of 50 years, Write endurance 100,000 cycles
Tag Size	90 × 34 × 7 mm
Weight	19.3 g
Materials & Color	ABS, other materials e.g. PC/ABS, ABS upon request Blue, other colors upon request Adhesive backing for easy mounting
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
IP Class	IP68
Qty/Package	1,000 pcs. / MOQ 5,000

\*Additional memory, protocol and product configurations are available upon request.

Frequency v/s Read Range



Relative Read Range vs. Orientation



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