



## MAXDURA® LONG RANGE

### Long Read Range for On-metal Tagging

SMARTRAC MAXDURA® LONG RANGE has been designed with a rugged construction for high durability for metallic surfaces with excellent read range performance of over 15m. Especially, it is applicable in supply chain, asset and warehouse management to tag and identify containers and railway coaches.

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.

MAXDURA LONG RANGE housing is made of ABS, including ingress protection IP67. Other plastic materials, like PC, and colors are available upon request. It can be easily fixed with screws or with an adhesive tape on the backside for easy attachment.

Due to its out-performing read range and high resistance, it is very well suited to tap the benefits of passive RFID in challenging environments for different industrial applications where long read range is a crucial factor.

#### Overview

##### Operating Frequency

865-868 MHz (ETSI)

##### Integrated Circuit (IC)

Alien Higgs 3

##### Dimension

150 × 25 × 12 mm

##### Material and Color

ABS, Blue

#### International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

#### Application Areas

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

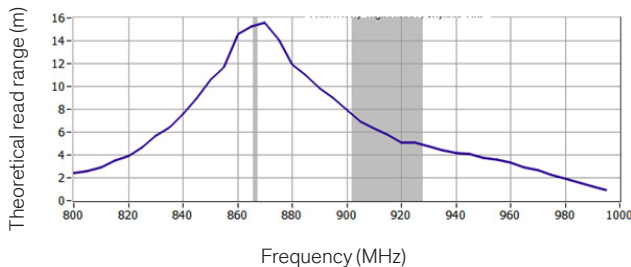
# MAXDURA® LONG RANGE

Long Read Range for On-metal Tagging

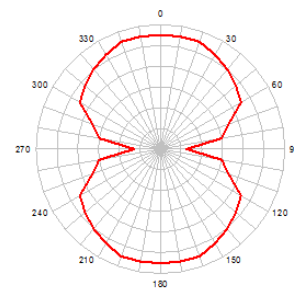
Technical Features	
IC + Memory*	Alien Higgs-3, EPC 96 bit extendable up to 480 bits 512 bit user memory Data retention of 50 years, Write endurance 100,000 cycles
Tag Size	150 × 25 × 12 mm
Weight	25.8 g
Materials & Color	ABS, other materials e.g. PC/ABS, ABS upon request Blue, other colors upon request Adhesive backing for easy mounting
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
IP Class	IP67
Qty/Package	500 pcs. / MOQ 5,000

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

Frequency v/s Read Range



Relative Read Range vs. Orientation



Read range (%) at various angle

**Contact:**

SMARTRAC Specialty GmbH · Gewerbeparkstr. 10 · 51580 Reichshof-Wehrnath · Germany  
Phone +49 2265 9919 0 · Fax +49 2265 9919 11

**Contact: Sales & Customer Service**  
www.smartrac-group.com/contact

**SMARTRAC N.V. · Strawinskylaan 851 · 1077 XX Amsterdam · The Netherlands**  
Phone: +31 20 30 50 150 · Fax: +31 20 30 50 155

© 2018 SMARTRAC N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. info@smartrac-group.com