



MIDAS FLAGTAG®

Designed for Item-Level Tagging in Automotive and other Industries

Smartrac's MIDAS FLAGTAG® with NXP's UCODE® 7×m is designed for item-level tagging in automotive or industrial applications. It can be applied on diverse surfaces, especially metallic surfaces, and offers excellent performance in less demanding physical environments. The tag can also be used on plastic and cardboard and works as a standard tag. The product is fully compliant with VDA (German Association of the Automotive Industry) recommendations for RFID implementations used in the tracking of parts and components in the automotive industry.

MIDAS FLAGTAG has an innovative compact form factor with a total size of 72 × 21 mm when used as a standard flat paper tag. Its special feature is that a flag can be created at the end of tag with a final paper tag size of 50 × 21 mm after folding, and with an exposed flag size of 22 × 21 mm. The folded part of the tag sticks out of the metal like a flag, and the attached antenna part uses the metal surface as part of the antenna structure to increase the performance of the tag. Read distances of over 6 meters can be achieved, depending on the geometry and size of the metal object. The tags are compatible with RFID printers for easy printing and encoding.

Smartrac's MIDAS FLAGTAG is equipped with NXP's UCODE 7×m IC that comprises an extended user memory of up to 2 kbit to store data specific to customers or products, brand protection features using digital signature technology, long read/write ranges and reliable operation in signal-dense or noisy environments.

Smartrac's inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

Overview

Operating Frequency

860 - 960 MHz

Integrated Circuit (IC)

NXP UCODE 7×m

Antenna Size

47 × 18 mm (1.85 × 0.71 in)

Die-cut Size

72 × 21 mm (2.84 × 0.83 in)

International Standards

- ▶ EPC Class 1 Gen 2
ISO 18000-6C

Application Areas

- ▶ Asset Tracking
- ▶ Process Optimization
- ▶ Inventory Management

MIDAS FLAGTAG®

Designed for Item-Level Tagging in Automotive and other Industries

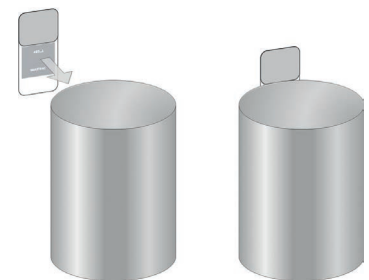
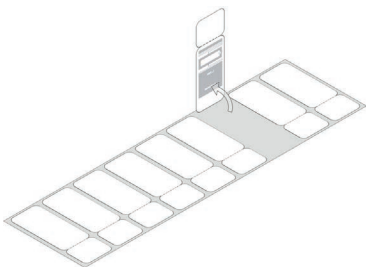
Technical Features			
IC + Memory NXP UCODE 7xm 448 bit up to 2048 bit EPC	Size 72 x 21 mm / 2.84 x 0.83 in	Format Wet Paper Tag	Sales Code 3006991
Web Width	40 mm / 1.58 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Solvent-free permanent adhesive		
Core Size	76 mm / 3 in		
Shelf Life	+20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing		

Folding Instruction

1. Peel off MIDAS FLAGTAG® from substrate material, delivered in roll format.

2. Fold the white rectangle part along the perforation line to cover the transponder.

3. Apply the tag with the visible transponder area onto the metallic object and allow the folded flag to stick out.



Smartrac N.V. · Strawinskyiaan 851 · 1077 XX Amsterdam · The Netherlands

Phone: +31 20 30 50 150 · Fax: +31 20 30 50 155

Contact: Sales & Customer Service

smartrac-group.com/contact

© 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

