

# Wings™

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 8

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**Antenna Dimensions**

30 x 72 mm / 1.18 x 2.84 in

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**International Standard**

ISO 18000-6C, EPC Class 1 Gen 2

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**Industry Segments**

Aviation

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**Applications**

Baggage Tracking

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**RoHS**

EU Directive 2011/65/EC and  
Directive (EU) 2015/863

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**REACH**

Regulation (EC) No. 1907/2006



## Designed for luggage tagging and supply chain applications

Designed for baggage tagging in aviation and global supply chain applications, our Wings™ inlays and tags provide an outstanding read range performance at a compact size.

Wings™ has a footprint of 30 x 72 mm and is available in dry-naked delivery format which can be easily converted. Wings™ is equipped with NXP's UCODE® 8 IC that comes with 128-bit EPC memory, features a unique 96-bit tag identifier (TID), a pre-serialized EPC and an auto adjust function for automated tag performance optimization.

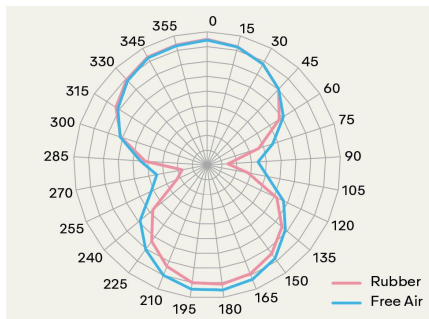
With its leading-edge RF performance for any given form factor, UCODE 8 enables long read distance and fast inventory of dense RFID tag population. Wings™ with the NXP UCODE 8 IC, used in luggage tagging applications, is included on the approved inlay list by the RFID Research Center at the University of Auburn, and complies with category U.

Our 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.

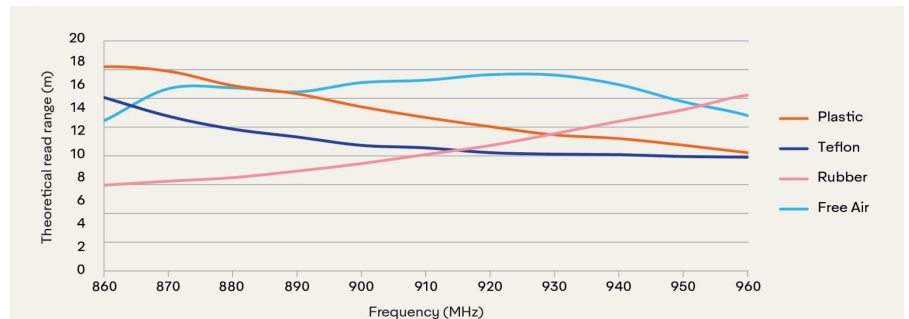
## Technical features

Chip	NXP UCODE 8
EPC and User Memory	128-bits
TID Memory	96-bit / 48-bit unique serial number
Product Code	3007057
Delivery Format	Dry inlay
Inlay Substrate	PET
Standard Pitch	82 mm / 3.228 in
Web Width	40 mm / 1.58 in
Core Size	76 mm / 3 in
Quantity / Reel	8,000 pcs/reel 48,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
Certificates	ARC

## Orientation sensitivity



## Read range



All graphs are indicative: performance in real life applications may vary.

## Contact information

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Connect with us on:



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**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](http://rfid.averydennison.com/termsandconditions)

**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

**Applications:** This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

