

# AD Accessory U8

## 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 15 mm / 1.20 x 0.60 in

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**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

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**Industry Segments**

Apparel  
Healthcare

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**Applications**

Children Accessories  
Fashion Jewelry and Sunglasses  
Pharmaceutical and Healthcare

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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



## Ideal for small item-level tagging

Our AD Accessory U8 inlays and tags are optimized for accessory and cosmetics applications, offering excellent performance and superior close-coupling features.

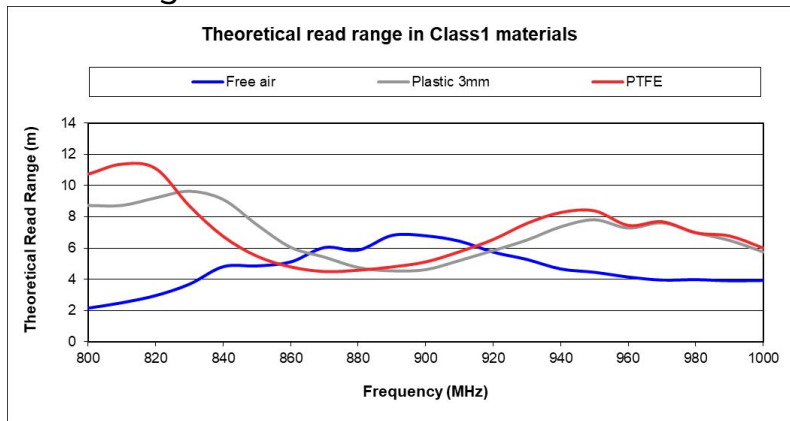
AD Accessory products are equipped with NXP's UCODE® 8 IC. Inlays with UCODE 8 chip offers the same memory size and typical IC features as NXP UCODE 7. Furthermore, it offers a Self Adjust feature to maximize product performance in challenging environments and has an improved read and write sensitivity and faster encoding speed compared to NXP UCODE 7. Furthermore, the chip has an integrated Brand Identifier function to prove product authenticity and a memory safeguard system to protect business data. AD Accessory U8 products are available in dry, wet and paper tag delivery formats.

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-bit and 0		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3007173	3007174	3007175
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	33 x 18 mm / 1.30 x 0.70 in	33 x 18 mm / 1.30 x 0.70 in
Inlay Substrate	PET	PET	PET
Face Sheet	–	–	Mid-gloss paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	36 mm / 1.4 in	36 mm / 1.4 in	36 mm / 1.4 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel 20,000 pcs/box	10,000 pcs/reel 30,000 pcs/box	5,000 pcs/reel 15,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates	ARC Spec M and Q		

## 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.

