

# AD Web 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**

50 x 30 mm / 1.97 x 1.18 in

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**Die-cut Dimensions**

54 x 25 mm / 2.13 x 0.98 in (folded)

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**International Standard**

ISO 18000-6C, EPC Class 1 Gen 2

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**Industry Segments**

Apparel  
Logistics

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**Applications**

Supply Chain Management  
Home Essentials  
Brand Protection

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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



## Optimized size and shape for apparel applications

Our AD Web inlays and tags are designed for the unique identification of items such as apparel and electronics. They are suitable especially for item-level retail, logistics and supply chain applications.

Web inlays and tags are compact and ideally shaped inlays for apparel hang tags providing high read reliability, excellent performance even when stacked in close proximity with low total applied costs.

Web equipped with NXP UCODE 8 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. The chip has an integrated Brand Identifier function to prove product authenticity and a memory safeguard system to protect business data.

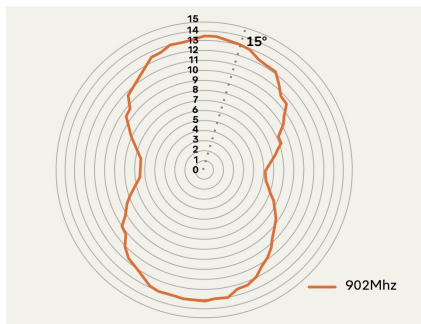
Web tags with the NXP UCODE 8 IC, used in retail applications, have passed the Auburn Radio Compliance (ARC) tests A, B, C, D, F, G, I, K, L, M, N, W1, W2, W3, W4, W5, W6 and Q defined by the RFID Research Center at the University of Auburn. It is also tested to meet GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gradings M10B, M15B and S15B for the retail supply chain, retailers and suppliers.

Retailers and brand owners can deploy our Web tags for apparel globally, as they comply with frequency regulations set up in the US(FCC), EU (ETSI) and Asia.

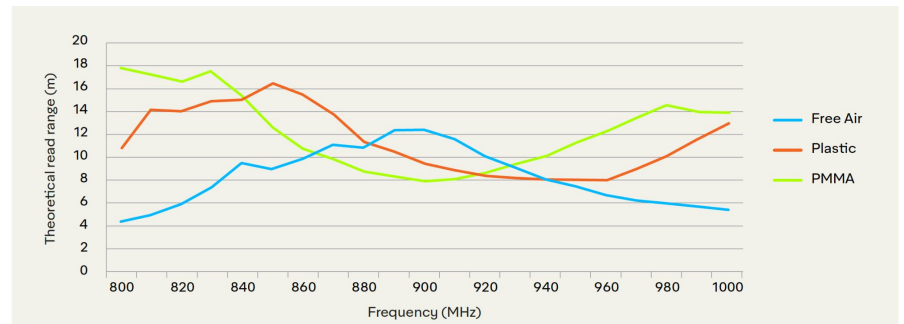
## Technical features

Chip	NXP UCODE 8	
EPC and User Memory	128-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	3007189 / IL-600021	3007190 / IL-603485
Delivery Format	Wet inlay	Label / sticker
Die-Cut Dimension	54 x 33 mm / 2.13 x 1.30 in	
Inlay Substrate	PET	PET
Face Sheet	-	Mid-gloss paper
Standard Pitch	36 mm / 1.417 in	
Web Width	60 mm / 2.4 in	
Core Size	76 mm / 3 in	
Quantity / Reel	15000 pcs/reel 45000 pcs/box	3000 pcs/reel 9000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	

## 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.

