

# AD Miniweb U9 FCC

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 9

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**Antenna Dimensions**

42 x 16 mm / 1.70 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  
Logistics  
Healthcare

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**Applications**

Supply Chain Management  
Home Essentials  
Inventory and Logistics

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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 apparel labels

The AD Miniweb U9 FCC inlays and tags are designed for global retail, industrial and supply-chain applications, offering excellent performance on difficult-to-tag or low-detuning materials such as cardboard and plastic, and in other demanding, close-coupling environments.

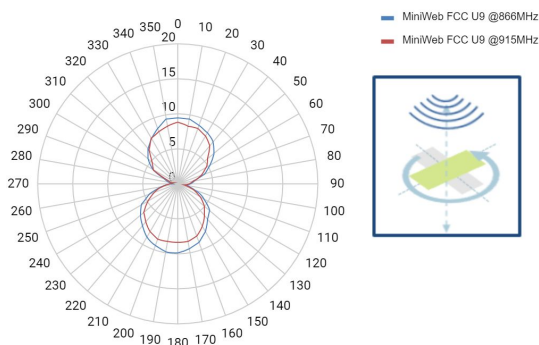
Miniweb inlays and tags have a compact size of 45 x 18 mm, which can be easily converted into end-application usage, and are available in dry, wet and label / sticker delivery formats. Miniweb equipped with NXP UCODE 9 offers 96-bit of EPC memory. Furthermore, it offers a self adjust feature to maximize product performance in challenging environments, and has an improved read and write sensitivity and faster encoding speed compared to NXP U8.

AD Miniweb inlays with the UCODE 9 IC, used in retail applications, has passed ARC categories F, G, N, M, W2, W5, W6 and Q requirements defined by the RFID Research Center at the University of Auburn for FCC retail performances. This indicates the product is suitable for applications such as home goods and merchandising areas with a greater demand of RF performance than typical retail apparel applications.

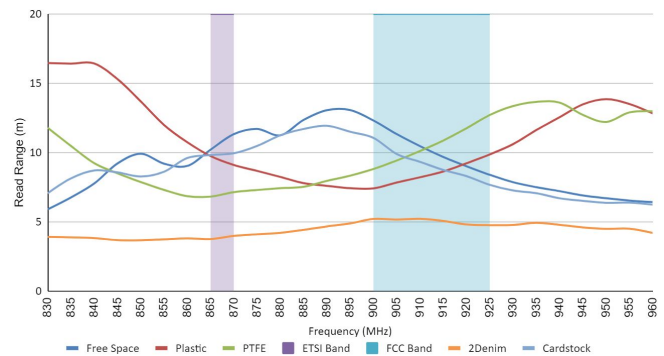
## Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3008005	3008006	3008017
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	45 x 18 mm / 1.80 x 0.70 in	45 x 18 mm / 1.80 x 0.70 in
Inlay Substrate	PET	PET	PET
Face Sheet	NA	NA	Mid-gloss paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	48 mm / 1.89 in	48 mm / 1.89 in	48 mm / 1.89 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	20,000 pcs/reel 40,000 pcs/box	5,000 pcs/reel 10,000 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

[rfid.averydennison.com/contact](http://rfid.averydennison.com/contact)  
 North America: +1-866-903-7343 (toll free US)  
 International: +1-678-617-2359

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.

