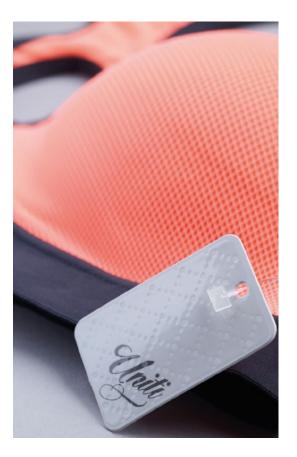
Solutions











Changing the game with Intelligent Labels

Why choose Avery Dennison RFID?

As the world's largest UHF RFID partner, we provide solutions for multiple industries, from retail apparel and food to healthcare and aviation. Our integrated global RFID approach is proven to increase inventory accuracy, improve supply chain agility and enhance visibility across all channels.

When you choose Avery Dennison RFID, you get field-proven inlay products, advanced research and testing capabilities, experienced engineering and technical resources, and, most importantly, a partner with a deep understanding of what it takes to make your application successful.

Sustainability is at the core of everything we do, from innovation and product design to development and production. The majority of our inlays now feature our patented SmartFace™ Technology, which is one of the most sustainable solutions on the market, reducing your brand's environmental impact.

For additional information, please contact: Email: il.team@ap.averydennison.com

Applications

- Item-level retail: Apparel, accessories, cosmetics, jewelry, food and general retail
- Healthcare: Medical and pharmaceutical
- ▶ Transportation: Automotive and aviation
- Industrial logistics and manufacturing
- ▶ Brand protection and product authentication
- Supply chain, inventory and logistics
- Contactless cards and tickets
- Library, media, documents and files

With Avery Dennison RFID, you get the benefit of our relationships with best-in-class chip and reader manufacturers, label and tag converters and systems integrators across the globe. We can support you with the most challenging RFID projects across all channels, offering the total solution to meet your business needs.

UHF RFID Inlays

860-960 MHz, ISO-18000-6C, EPC Class 1 Gen 2

NAME	DESIGN	SIZE	CHIP	COMMON APPLICATIONS
AD-160		2.36 x 0.16 in 60 x 4 mm	U7	Cosmetics and other item-level retail Personal care products
AD-171		1.06 x 0.55 in 27 x 14mm	M5	Apparel and other item-level retail Pharmaceutical and healthcare
AD-172	[se]	0.87 x 0.49 in 22 x 12.5 mm	U7	JewelrySupply chain, inventory and logistics
AD-180		1.02 in Diameter 26 mm Diameter	U7	Cosmetics and item-level retail
AD-226		3.74 x 0.32 in 95 x 8.15 mm	G2iM	
AD-227		3.74 x 0.33 in 95 x 8.3 mm	M5	 Apparel and other item-level retail Supply chain, inventory and logistics Returnable transport units (RTUs)
AD-229		3.74 x 0.32 in 95 x 8.15 mm	R6/R6-P	
AD-236		2.76 x 0.57 in 70 x 14.5 mm	U7	
AD-237		2.76 x 0.57 in 70 x 14.5 mm R6/R6-P		Supply chain, inventory and logisticsApparel and other item-level retailHome essentials
AD-238		2.76 x 0.57 in 70 x 14.5 mm	U8	
AD-301		1.18 x 0.59 in 30 x 15 mm	R6/R6-P	Children accessoriesFashion jewelry and sunglassesPharmaceutical and healthcare

UHF RFID Inlays

800-960 MHz, ISO-18000-6C, EPC Class1 Gen 2

NAME	DESIGN	SIZE	CHIP	COMMON APPLICATIONS				
AD-320	w and the second	1.63 x 0.63 in 41.4 x 16 mm	U7					
AD-321	MAM	1.63 x 0.63 in 41.4 x 16 mm	R6/R6-P	 Supply chain, inventory and logistics Apparel and other item-level retail 				
AD-324		1.63 x 0.63 in 41.4 x 16 mm	U8	Pharmaceutical and healthcare				
AD-370		0.75 x 2.09 in 53 x 19 mm	U7	Apparel and other item-level retail Also available in narrow-edge leading format				
AD-380		1.97 x 1.18 in	G2iM					
AD-383	ון טיט ון	50 x 30 mm	U7	Apparel and other item-level retail				
AD-384	Tea I	1.97 x 1.18 in 50 x 30 mm	R6/R6-P	Supply chain, inventory and logisticsHome essentialsAD-383 is also available in narrow-edge				
AD-385	Fa	1.97 x 1.18 in 50 x 30 mm	U8	leading format				
AD-550	S	1.5 x 2.99 in 38 x 76 mm	M5	Supply chain, inventory and logisticsAviation				
AD-661			R6/R6-P	Automotivo				
AD-662		3.55 x 0.75 in 90 x 19 mm	UCODE DNA	AutomotiveGlassPersonal ID badgesRace timing				
AD-663			U7XM/U7XM+	reisonarib badges riace timing				
AD-680	4	1.97 x 1.97 in 50 x 50 mm	R6/R6-P	Supply chain management				
AD-681		1.97 x 1.97 in 50 x 50 mm	M4D/M4QT M4i	Package trackingAsset tracking				
AD-806		0.63 x 0.63 in 16 x 16 mm	U7	Healthcare and item-level Supply chain, inventory and logistics				
AD-810		0.63 in Diameter 16 mm Diameter	R6	Pharmaceutical and healthcare Cosmetics and other item-level retail				
AD-850	Ó	0.406 in Diameter 10.3 mm Diameter	M4QT	Pharmaceutical and healthcare Near-Field applications				

UHF IC Memory

NAME		EPC MEMORY	USER MEMORY	TID MEMORY				
M4D	Impinj® Monza® 4D	128-bit	32-bit	48-bit unique serialized TID number				
M4i	Impinj® Monza® 4i	256-bit	480-bit	48-bit unique serialized TID number				
M4QT	Impinj® Monza® 4QT	128-bit	512-bit	48-bit unique serialized TID number				
M5	Impinj® Monza® 5	128-bit	32-bit	48-bit unique serialized TID number				
R6	Impinj® Monza® R6	96-bit	0	48-bit unique serialized TID number				
R6-P	Impinj® Monza® R6-P	pinj® Monza® R6-P 96/128-bit		48-bit unique serialized TID number				
G2iM	NXP G2iM	256-bit	512-bit	48-bit unique serialized TID number				
U7	NXP UCODE 7 128-bit		0	48-bit unique serialized TID number				
U7XM	NXP UCODE 7XM 448-bit		2K-bit	48-bit unique serialized TID number				
U7XM+	NXP UCODE 7XM+	448-bit	2K-bit	48-bit unique serialized TID number				
U8	NXP UCODE 8	128-bit	0	48-bit unique serialized TID number				
DNA	NXP UCODE DNA	224-bit	3K-bit	48-bit unique serialized TID number				

HF RFID Inlays

13.56 MHz, ISO-15693, 18000-3 Mode 1

NAME	DESIGN	SIZE	CHIP	USER MEMORY	COMMON APPLICATIONS
AD-709x		1.85 x 1.85 in 47 x 47 mm	NXP ICODE SLIX	896 bit EEPROM Read / Write	Library, media, documents and files
AD-714x	*	1.77 x 3 in 45 x 76 mm	NXP ICODE SLIX	896 bit EEPROM Read / Write	Contactless cards and ticketsLibrary, media, documents and files
AD-730x	p · • •	1.22 x .55 in 31 x 14 mm	NXP ICODE SLIX	896 bit EEPROM Read /Write	Pharmaceutical and healthcare

NFC RFID Inlays

13.56 MHz, ISO-14443, Type A

NAME	DESIGN	SIZE CHIP U		USER MEMORY	COMMON APPLICATIONS			
AD-721		0.827 in (diameter) 21 mm (diameter)	NXP NTAG213	144 bytes Read / Write	 Retail environment Print media Miscellaneous applications 			
AD-740		1.50 x 0.89 in 38 x 22.5 mm	NXP Ultralight EV1	384 bit Read / Write	Retail environmentPrint mediaMiscellaneous applications			
AD-750		0.709 x 0.315 in 18 x 8 mm	NXP NTAG213	144 bytes Read / Write	Retail environmentPrint mediaMiscellaneous applications			

Auburn University ARC Approved Inlay Designs

MODEL#	CAT A DENIM	CAT B POLYBAGGED APPAREL	CAT C BOXED ELECTRONICS	CAT D HANGING APPAREL	CAT I DENIM & POLYBAGGED APPAREL (ETSI)	CAT K SMALL APPAREL (ETSI)	SPEC M	SPEC F	SPEC G	SPEC N	SPEC Q	SPEC U
AD-227m5	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
AD-229r6/r6-P	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
AD-236u7	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
AD-237r6/r6-P	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
AD-238u8	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	
AD-301r6/r6-P											Х	
AD-320u7	X	Х		X			Х		Х		Х	
AD-321r6/r6-P	Х	Х		Х			Х		Х		Х	
AD-324u8						X						
AD-370u7	X	Х		X							Х	
AD-383u7	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	
AD-384r6/r6-P	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	
AD-385u8	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
AD-550m5												Х

South Asia Pacific & Sub-Saharan Africa il.team@ap.averydennison.com label.averydennison.com/intelligent-labels

Drawings not to scale. The chart contained herein is only intended as a suggestive guide for preliminary inlay selection. Please refer to www.rfid.averydennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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