
Why RFID?

Track and manage food waste

- 20% reduction in food waste*
- 50% reduction in labor costs*
- Improved utilization of returnable trays
- High-speed retail checkout (up to 15 times faster)*
- Increased food traceability and supply chain visibility (e.g. US Food Safety Modernization Act (FSMA) and UK Food Safety Act).
- Increase in fresh food margins
- Accurate Global Data Synchronization (GDS) from supplier to retailers as well as to distributors to increase efficiency of electronic data interchange (EDI) and other collaborative activities

*Internal pilots and retailer feedback. Independent results may vary.

Why Avery Dennison?

The broadest range of RFID solutions

- Global manufacturing footprint with the largest product portfolio
- Customized inlay and label products available
- Sustainable paper-based SmartFace® technology

Reliable and durable products for consistent quality and performance


















- Proprietary chip strap-attach technology for the most durable RFID tags
- 100% quality control to ensure 99%+ functioning tags to achieve maximum ROI
- Limited malfunctioning tags after conversion
- Reduced machine down time and wastage during label converting and application

Valued services that enable you to grow your business

- MOQs as low as 1 roll
- Free sampling program and services
- Stock items shipped within 24 hours
- Fast response from your local technology and sales team
- Expert product qualification and POC support



Our RFID product recommendations

Product Name	Design (not to scale)	Antenna Dimensions	Chip	EPC and User Memory	TID Memory	Delivery Format	Applications
AD Charge		68 x 26.4 mm 2.68 x 1.04 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Dry+ inlay Wet inlay Label	Protein and Deli Label Supply Chain Management Inventory Tracking
AD Crunch		28 x 28 mm 1.1 x 1.1 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Dry+ inlay Wet inlay Label	Bakery and Deli Label Supply Chain Management Inventory Tracking
AD Crunch ER		28 x 28 mm 1.1 x 1.1 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Label	Bakery Label Supply Chain Management Enables PET Packaging Recyclability
AD Power Mini		44 x 34 mm 1.73 x 1.34 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Dry+ inlay Wet inlay Label	Protein and Deli Label Supply Chain Management Inventory Tracking
AD Power Mini MR		44 x 29 mm 1.73 x 1.14 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Label	Protein and Deli Label Supply Chain Management Inventory Tracking
AD Saucer MR		60 x 9 mm 2.36 x 0.35 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Label	Protein and Deli Label Supply Chain Management Inventory Tracking
AD Stealth		50 x 14.5 mm 1.97 x 0.57 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Dry+ inlay Wet inlay Label	Bakery Label Supply Chain Management Inventory Tracking
AD-164		60 x 4 mm 2.36 x 0.16 in	NXP UCODE 9	96-bit EPC	96-bit / 48-bit unique serial number	Dry inlay Wet inlay Label	Supply Chain Management Inventory Asset Tracking
AD-183		Ø 26 mm 1.02 in	NXP UCODE 9	96-bit EPC	96-bit / 48-bit unique serial number	Dry inlay Wet inlay Label	Supply Chain Management Inventory Asset Tracking
AD-23x		70 x 14.5 mm 2.76 x 0.57 in	NXP UCODE 9	96-bit EPC	96-bit / 48-bit unique serial number	Dry inlay Wet inlay Label	Brand Protection Supply Chain Management
AD-456 ETSI/FCC		64 x 6 mm 2.52 x 0.24 in 64 x 18 mm 2.52 x 0.71 in	NXP UCODE 8	128-bit EPC	96-bit / 48-bit unique serial number	Label	On-Metal Asset Tracking Brand Protection Food Item-Level Retail
AD-457 ETSI/FCC		64 x 6 mm 2.52 x 0.24 in 64 x 18 mm 2.52 x 0.71 in	NXP UCODE 9	96-bit EPC	96-bit / 48-bit unique serial number	Label	On-Metal Asset Tracking Brand Protection Food Item-Level Retail
AD Bolt FCC (AD-32x)		42.5 x 17 mm 1.67 x 0.67 in	NXP UCODE 9	96-bit EPC	96-bit / 48-bit unique serial number	Dry+ inlay Wet inlay Label	Supply Chain Management Inventory Asset Tracking
AD Midas Flagtag®		34.4 x 18 mm 1.36 x 0.71 in	Impinj M730 Impinj M750	128-bit EPC 96-bit EPC and 32-bit user memory	96-bit / 48-bit unique serial number	Label	On-Metal Asset Tracking Metal and Liquids Supply Chain Management
 AD Midas Flagtag® Pure™		34 x 18 mm 1.34 x 0.71 in	NXP UCODE 9	96-bit EPC	96-bit / 48-bit unique serial number	Wet Inlay Label	On-Metal Asset Tracking Supply Chain Management
AD Squarewave		93 x 11 mm 3.66 x 0.43 in	Impinj M830	128-bit EPC	96-bit / 48-bit unique serial number	Dry inlay Wet+ inlay Label	Supply Chain Management Inventory Asset Tracking

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Warranty: Please refer to Avery Dennison standard terms and conditions: 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.

