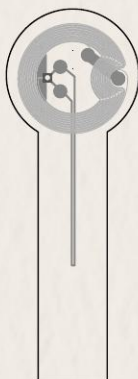




SKU:	RS-N424DT-BG-70D25
Chip Type:	NXP® NTAG® 424 DNA TT
Frequency:	HF 13.56 MHz
User Memory:	416 bytes
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A IEC/ISO 7816-4 NFC Forum Type 4
Anti-counterfeiting:	Tamper evident, 8 layers of anti-counter- feiting technology
Industry:	Retail, Healthcare, Jewelry, Apparel and Fashion, Collection
Applications:	Brand Protection, NFC, Jewelries & Sunglasses, Product Authentication



BrandGuard™ NFC Label

The NXP® NTAG® 424 DNA TT NFC Label is a high-security, tamper-evident smart label designed for product authentication, anti-counterfeiting, and secure user engagement. Powered by the advanced NXP® NTAG® 424 DNA TT chip, it ensures encrypted, dynamic authentication and tamper detection.

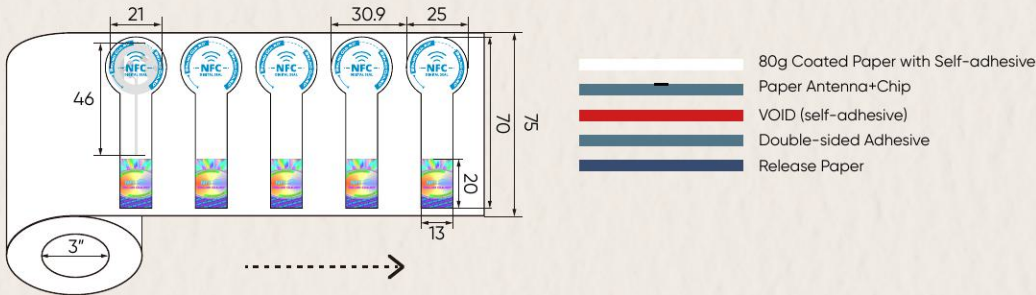
This label is ideal for wine, spirits, and other premium beverages. Its cold-resistant adhesive ensures reliable bonding in low-temperature, high-humidity environments, such as refrigerated or frozen storage. The tamper-evident structure detects unauthorized removal, safeguarding brand integrity and consumer trust. It's also suited for luxury goods, pharmaceuticals, and collectibles, offering secure NFC and QR-based authentication and enabling smooth digital interactions like product info, promotions, or warranty access.

Physical Information	Material	Coated Paper
	Top Round Section	Ø25 mm
	Total Label Height	70 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	Liquid, Paper Carton, Plastic, Wood
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones,do not use.

Technical Information	Operating Frequency	13.56 Mhz
	Communication Protocol	ISO/IEC 14443-A, ISO/IEC 7816-4, NFC Forum Type 4
	Read Range	Up to 10 cm
	Chip Type	NXP® NTAG® 424 DNA TT
	User Memory	416 bytes
	UID Memory	7 bytes
	Authentication	Standard AES-128 cryptography or LRP wrapped AES operation

Packing Information	Packing Format	Packed in roll, vacuumed packing in ESD bag.
	Roll OD	Max.152 mm
	Core ID	3 inch/76.2 ± 0.50mm
	Packing Quantity	1000 pcs/roll, weight per roll 0.6kg

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
 ● **Product Updates and Revisions** rfidbridge.com may change products, specs, or services at any time without prior notice.
 ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications.
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