



NXP® NTAG®424 DNA TagTamper NFC Label



SKU:	RS-N424DT-CP3M-4924
Chip Type:	NXP® NTAG®424 DNA TagTamper
Frequency Band:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A, ISO/IEC 7816-4, NFC Forum Type 4
User Memory:	416 bytes
Read Range:	Up to 10 cm
Industry:	Retail, Healthcare, Jewelry, Apparel and Fashion, Collection
Applications:	Brand Protection, Jewelleries & Sunglasses, NFC, Product Authentication



The NXP® NTAG® 424 DNA TagTamper NFC Label is a next-generation smart security label designed to provide both product authentication and tamper evidence. Built with AES-128 encryption and Secure Unique NFC (SUN) authentication, it ensures reliable protection against counterfeiting while instantly alerting if a product's seal has been broken or packaging tampered with.

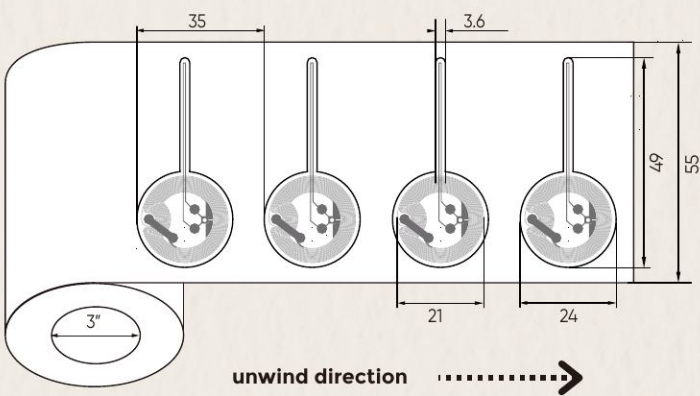
Crafted from high-quality coated paper with a tamper-detection feature, this label is widely used in pharmaceuticals, luxury goods, electronics, and food & beverage packaging. With just a tap of a smartphone, consumers can verify authenticity, check product integrity, and access exclusive brand experiences—enhancing trust, transparency, and engagement across the entire supply chain.

Physical Information	Material	Coated Paper & 3M Adhesives
	Label Size(LxWxT)	24x49x0.2 mm
	Antenna Size	Ø21 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	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
	Protocol	ISO/IEC 14443-A, ISO/IEC 7816-4, NFC Forum Type 4
	Chip Type	NXP® NTAG®424 DNA TagTamper
	Read Range	Up to 10 cm
	User Memory	416 bytes
	UID Memory	7 bytes
	Security Features	Standard AES-128 cryptography or LRP wrapped AES operation
	Advanced Data Protection	SUN message authentication
	Common Criteria Certification	EAL4 for both Hardware and Software

Packaging Information	Packing Format	Packed in roll, vacuumed packing in ESD bag
	Roll OD	Max.155 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 Pcs/roll, per roll 1 kg

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.
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