RFIDBridge

NXP® MIFARE® DESFire® EV2 4K On-Metal NFC Coin Tag

SKU:	RS-D42-OMPVC-D45
Chip Type:	NXP® MIFARE® DESFire® EV2 4K
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A
Non-volatile Memory:	500 bytes
Unique Serial Number:	7 bytes
Read Range:	Up to 10 cm(depending on power provided by the PCD and antenna geometry)
Industry:	Jewelry, Retail, Transportations
Applications:	Asset Tracking, Brand Protection, NFC, Product Authentication

The NXP® MIFARE® DESFire® EV2 4K On-Metal NFC Coin Tag is engineered for secure identification and flawless NFC performance on metallic surfaces. Featuring the advanced DESFire® EV2 4K chip, it delivers fast communication, enhanced security protocols, and support for complex multi-application systems. This makes it an excellent choice for premium asset management, equipment authentication, and mobile-based interaction scenarios where data protection and reliability are essential.

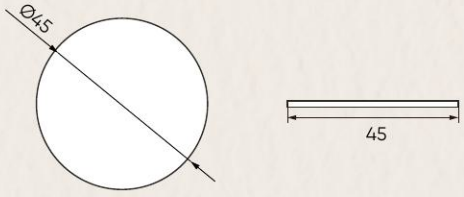
Built with a durable PVC structure, a anti-metal layer with strong adhesive. This coin tag is designed to withstand constant handling and long-term use. Its compact form factor allows effortless installation on smartphones, laptops, industrial tools, and high-value assets. With its strong anti-metal performance, secure architecture, and easy peel-and-stick application, the DESFire® EV2 4K On-Metal NFC Coin Tag offers a dependable and refined solution for modern asset identification and smart tagging.

Physical Information	Material	PVC & Anti-Metal Layer & Adhesive
	Tag Size	Ø45 mm
	Thickness	0.58 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Surface	Paper Carton, Plastic, Wood, Metal
	Mounting Method	Stick
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Tags with black-dot marks are bad ones, do not use.

Technical Information	Operating Frequency	13.56 MHz
	Protocol	ISO/IEC 14443-A
	Chip Type	NXP® MIFARE® DESFire® EV2 4K
	Non-volatile Memory	500 bytes
	Unique Serial Number	7 bytes
	Read Range	Up to 10 cm (depending on power provided by the PCD and antenna geometry)
	Fast Data Transfer	Up to 848 kbit/s
	Optional Random ID	Support
	Common Criteria Certification	EAL5+(Hardware and Software)
	Mutual Authentication	Accoding to ISO/IEC 7816-4
	Data Authenticity	8-byte CMAC
	Virtual Card Architecture	Support
	Originality Check	Protection against Relay Attacks
	Proximity Check	Proof of genuine NXP's product
	Security Features	DES/2-Key 3DES/3-Key 3DES/AES128

Technical Information	Packing Format	Packed in roll, vacuumed packing in ESD bag

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. ● **Legal Notice:** Information is believed accurate but may change rfidbridge.com s not liable for use-related issues or outcomes.

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