



NXP® MIFARE® DESFire® EV3 4K NFC Label



SKU: RS-D43-PET3M-D30

Frequency: HF 13.56 MHz

Chip Type: NXP® MIFARE® DESFire® EV3 4K

User Memory: 500 bytes

UID Memory: 7 bytes UID or 4 bytes RID

Read Range: Up to 10 cm

Protocol: ISO/IEC 14443-A
NFC Forum Type 4

Industry: Retail, Events, Catering, Jewelry,
Apparel and Fashion

Applications: Inventory, Jewelries & Sunglasses,
Warehouse, NFC, Product Authentication,
Brand Protection



The MIFARE® DESFire® EV3 4K NFC label (Ø30 mm) offers advanced performance and security in a compact circular design. Powered by NXP® MIFARE® DESFire® EV3 4K chip, this label supports ISO/IEC 14443-A and NFC Forum Type 4 standards, ensuring fast, secure, and reliable data exchange. With its enhanced encryption and flexible memory architecture, it is an ideal solution for applications demanding robust authentication and high data storage.

Designed for versatility, this NFC label is widely used in ticketing, secure access control, brand protection, event management, and smart retail experiences. Its 30 mm size provides excellent antenna efficiency for stable read performance, while the DESFire® EV3 platform guarantees future-proof compatibility and scalability. This makes it a trusted choice for organizations seeking a balance of security, convenience, and modern user interaction.

Physical Information

Material	PET & 3M Adhesives
Label Size	Ø30 mm
Antenna Size	Ø25 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.

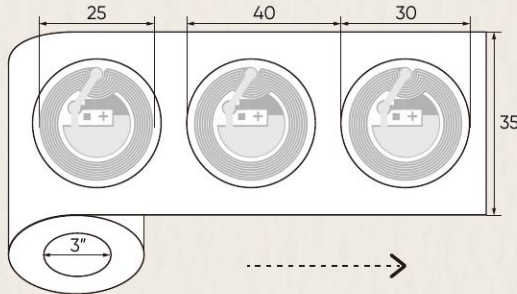
Technical Information

Operating Frequency	13.56 MHz
Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 4
Read Range	Up to 10 cm (depending on antenna geometry)
Operating Mode	Passive
Data Transfer	848 kbit/s
Chip Type	NXP® MIFARE® DESFire® EV3 4K
User Memory	500 bytes
UID Memory	7 bytes UID or 4 bytes RID
High Data Integrity	Support
SUN	Compatible with NTAG DNA
Anti-Collision Function	Support
Common Criteria Certification	EAL5+ (Hardware and Software)
Security Features	DES/2k3DES/3k3DES/AES128 Crypto algorithms supported

Packing Information

Packing Format	Packed in roll, vacuumed packing in ESD bag
Roll OD	Max. 203.2 mm
Core ID	3 inch(76.2 ± 0.50 mm)
Packing Quantity	1000 pcs/roll, weight per roll 0.815 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. ● **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 is not liable for use-related issues or outcomes.