



NXP® MIFARE® DESFire® EV2 4K RFID Card



SKU:	RS-D42-CR80
Chip Type:	NXP® MIFARE® DESFire® EV2 4K
Frequency:	HF 13.56 MHz
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A, NFC Forum Type 4, ISO/IEC 7816-4
EEPROM:	4096 bytes
Industry:	Events, Healthcare, Transportation
Applications:	Access Control, Library, Vehicle Tracking, Public Transport, Ticketing

The MIFARE® DESFire® EV2 4K RFID card is a high-capacity, secure contactless smart card designed for a wide range of applications, including access control, transportation, and payment systems. It offers 4KB of integrated memory, providing ample storage for multiple applications and enhanced flexibility. This card is fully compatible with existing MIFARE® systems, making it an ideal choice for upgrading or integrating into current infrastructures.

Equipped with advanced encryption standards, the EV2 version significantly enhances data protection and ensures secure transactions. It also delivers improved transaction speed, offering a reliable and efficient solution for modern RFID applications. Whether for transit passes or secure access, the MIFARE® DESFire® EV2 4K is designed to meet the evolving needs of today's digital systems.

Physical Information	Material	Black Core PVC, White Core PVC, White Core PET (WEEE Directive✓), White Core ABS (WEEE Directive✓), Wooden (WEEE Directive✓)
	Card Size	86×54×0.88 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 20%~80% RH
	Self-Printing Compatibility	The standard ID size(CR80, 85.6×54 mm/3.375"×2.125"), works with most retransfer printers
	Surface Treatment	Glossy, Matte or Frosted
	Printing	Thermal Transfer/Dye Sublimation
	Customization Options	Pre-Printing, Barcode Printing, Embossing, Holograms, Signature Panels, UV Printing, Hot Stamping, Punch Holes
	Care Tips	1. Avoid excessive bending 2. Keep away from water 3. Store in cool and dry place
	Cleaning Tips	1. Use a soft, dry cloth 2. Avoid harsh chemicals or abrasive cleaners 3. Remove stains immediately

Technical Information	Operating Frequency	13.56 MHz
	Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 4, ISO/IEC 7816-4
	Chip Type	NXP® MIFARE® DESFire® EV2 4K
	Read Range	Up to 10 cm
	EEPROM	4096 bytes
	UID Memory	7B UID or 4B RID
	Reading Rate	Up to 848 kbit/s
	Security Features	DES, EAL5+, AES-128 crypto algorithms

Packaging Information	Packing Format	Single pieces, piece by piece
	Packing Quantity	200 pcs/case, G.W. : 1.26 kg
	Packing Method	1000 pcs or 2000 pcs/carton
	Carton Dimension	1000 pcs: 23×20×17 cm (G.W.: 6.3 KG); 2000 pcs: 48×23×14 cm (G.W.: 12.6 KG).

● **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.
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