



NXP® MIFARE® DESFire® EV3 4K RFID Card

SKU:	RS-D43-CR80
Chip Type:	NXP® MIFARE® DESFire® EV3 4K
Frequency:	HF 13.56 MHz
EEPROM:	4096 bytes
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A, ISO/IEC 7816-4 NFC Forum Type 4
Industry:	Events, Healthcare, Transportation
Applications:	Access Control, Library, Vehicle Tracking Public Transport, Ticketing

The NXP® MIFARE® DESFire® EV3 4K card brings together 4 KB of memory with state-of-the-art security features – including AES-128 encryption, transaction timers, and mutual authentication.

Fully compliant with ISO/IEC 14443-A, ISO/IEC 7816-4 and NFC Forum Type 4 standards, the card is designed for multi-application smart card uses (such as transport, access control, loyalty programs) and supports seamless deployment alongside existing infrastructure while enabling future-proof upgrade paths.

Physical Information	Material	Black core PVC, White core PVC, White core PET(WEEE Directive✓), White core ABS(WEEE Directive✓), Wooden(WEEE Directive✓)
	Card Size	85.5×54×0.88 mm
	Net Weight	About 5.8 g
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 20%~80% RH
	Surface Treatment	Glossy, Matte or Frosted
	Personalized Printing (NA For Wooden Cards)	Thermal Transfer/Dye Sublimation
	Customization Options (NA For Wooden Cards)	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, ISO/IEC 7816-4 , NFC Forum Type 4
	Chip Type	NXP® MIFARE® DESFire® EV3 4K
	Operating Distance	Up to 10 cm
	EEPROM	4096 bytes
	UID Memory	7-byte UID/4-byte RID
	Security Features	AES128, DES, 2K3DES, 3K3DES, EAL5+

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: 23x20x17cm (G.W.: 6.3 KG); 2000 pcs: 48x23x14cm (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.
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