



NXP® MIFARE Classic® EV1 1K RFID Card



SKU:	RS-S50-PET-CR80
Chip Type:	NXP® MIFARE Classic® EV1 1K
Frequency:	HF 13.56 MHz
User Memory::	125 bytes
UID:	4 bytes
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A
Industry:	Events, Healthcare, Transportation, Business
Applications:	Access Control, NFC, ETC Toll Payment, Vehicle Tracking

The NXP® MIFARE Classic® EV1 1K CR80 RFID Card delivers dependable performance and secure data handling for a wide range of contactless applications. Operating at 13.56 MHz and compliant with ISO/IEC 14443-A, it offers fast authentication, stable reading, and 1 KB of flexible memory—making it a trusted choice for access control, ticketing, loyalty programs, and corporate or campus identification. Its enhanced EV1 chip ensures improved robustness, data retention, and long-term reliability.

Crafted in the standard CR80 size, this card is durable, lightweight, and fully customizable with printed artwork, barcodes, or personalization features. Its strong structure supports daily use in high-traffic environments, while maintaining smooth and consistent scanning performance. Whether deployed in offices, educational institutions, transport systems, or secure facilities, the MIFARE Classic® EV1 1K card provides an efficient, cost-effective, and user-friendly solution for modern RFID-based management.

Physical Information	Material	Black core PVC, White core PVC, White core PET(WEEE Directive✓), White core ABS(WEEE Directive✓), Wooden(WEEE Directive✓)
	Card Size	85.6×54×0.88 mm
	Net Weight	About 5.8 g
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% 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
	Chip Type	NXP® MIFARE Classic® EV1 1K
	Random ID	Support
	Data Transfer	106 kbit/s
	Data Integrity	16-bit CRC
	EEPROM	125 bytes
	UID	4 bytes
	Read Range	Up to 10 cm (depending on antenna geometry and reader configuration)
	Anticollision	Support
	NXP Originality Check	Support
	Typical Ticketing Transaction Time	< 100 ms
	Security Features	Mutual three pass authentication (ISO/IEC DIS 9798-2)

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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