



NXP® MIFARE Classic® EV1 1K RFID Card

SKU:	RS-S50-PVC-CR80
Chip Type:	NXP® MIFARE Classic® EV1 1K
Frequency:	HF 13.56 MHz
User Memory::	125 bytes
UID:	4 bytes / 7 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 is a highly reliable contactless smart card designed for secure, high-frequency (13.56 MHz) applications. Powered by the proven MIFARE Classic® EV1 chip, it offers fast communication, stable read performance, and 1 KB of EEPROM memory—making it ideal for access control, transportation, membership management, time attendance, and campus solutions. Its compatibility with ISO/IEC 14443-A ensures seamless integration with existing systems and readers worldwide.

Produced in standard CR80 card format, this RFID card combines durability with professional-grade print surfaces, allowing full customization with logos, text, or advanced security printing. Scratch-resistant and made for long-term daily use, it delivers consistent performance in both indoor and outdoor environments. Whether for corporate facilities, schools, or public service operations, the MIFARE Classic® EV1 1K card provides a dependable and cost-effective platform for secure identification and smart card applications.

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
Technical Information	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 / 7 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.
 ● **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.