



NXP® MIFARE Plus® S 2K RFID Card



SKU:	RS-MFPS2k-CR80
Chip Type:	NXP® MIFARE Plus® S 2K
Frequency:	HF 13.56 MHz
EEPROM:	250 bytes
UID:	4 bytes / 7 bytes
Protocol:	ISO/IEC 14443-A
Industry:	Events, Healthcare, Transportation, Business
Applications:	Access Control, NFC, ETC Toll Payment, Vehicle Tracking

The NXP® MIFARE Plus® S 2K RFID Card is engineered to deliver secure, efficient, and reliable contactless performance for modern smart card applications. Operating at 13.56 MHz and compliant with ISO/IEC 14443-A, it provides 2 kB EEPROM and supports AES-128 encryption, offering a strong balance between cost-effectiveness and security. The card is ideal for access control, public transportation, event ticketing, and campus or corporate ID solutions — providing seamless authentication and fast transaction times in high-traffic environments.

Built with NXP's advanced security architecture, the MIFARE Plus® S 2K enables a smooth transition from legacy MIFARE Classic systems to AES-based encryption without infrastructure replacement. Its robust data protection, excellent read range, and high compatibility ensure reliable performance across diverse RFID ecosystems. Designed for scalability and future readiness, it empowers businesses and institutions to strengthen security while enhancing the user experience in everyday contactless interactions.

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 Plus® S 2K
	Data Transfer	848 kbit/s
	EEPROM	250 bytes
	UID	4 bytes / 7 bytes
	NUID	4 bytes
	Virtual Card Concept	Support
	Anti-Tearing Mechanism	Writing AES keys
	Keys Can Be Stored As	MIFARE CRYPTO1 keys (2 × 48-bit per sector) and as AES keys (2 × 128-bit per sector)
	Simple Fixed Memory Structure Compatible With	MIFARE Classic 1K and MIFARE Classic 4K (sectors, blocks)
	Proximity Check	Support
	Common Criteria Certification	EAL4+
	Security Features	AES-128 Encryption for authenticity and integrity

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](https://www.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.
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