



NXP® MIFARE Plus® X 4K RFID Card

SKU:	RS-MFPX4k-CR80
Chip Type:	NXP® MIFARE Plus® X 4K
Frequency:	HF 13.56 MHz
EEPROM:	500 bytes
UID:	4 bytes / 7 bytes
Protocol:	ISO/IEC 14443-A, ISO/IEC 7816
Industry:	Events, Healthcare, Transportation, Business
Applications:	Access Control, NFC, ETC Toll Payment, Vehicle Tracking

The NXP® MIFARE Plus® X 4K RFID Card delivers next-generation security and performance for advanced contactless applications. Operating at 13.56 MHz and compliant with ISO/IEC 14443-A, ISO/IEC 7816, it combines the trusted legacy of MIFARE Classic with the power of AES-128 encryption, ensuring strong data protection and smooth interoperability. With 4 kB EEPROM, it supports multiple secure applications, from transportation ticketing and corporate access to campus management and e-payment systems, making it an ideal solution for multi-purpose environments.

Designed to provide both flexibility and future readiness, the MIFARE Plus® X 4K enables a seamless migration from legacy systems to enhanced AES security levels without disrupting existing infrastructures. Its high read reliability, fast transaction speed, and robust data integrity make it a preferred choice for organizations seeking a balance of scalability, compatibility, and advanced protection. Whether for smart cities, enterprises, or public services, this card ensures secure and efficient contactless experiences.

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, ISO/IEC 7816
	Chip Type	NXP® MIFARE Plus® X 4K
	Data Transfer	848 kbit/s
	EEPROM	500 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.
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