



NXP® MIFARE Ultralight® C RFID Silicone Wristband

SKU:	RS-ULT C-SW
Chip Type:	NXP® MIFARE Ultralight® C
Frequency:	HF 13.56 MHz
Read Range:	Up to 10 cm
User Memory:	144 bytes
Protocol:	ISO/IEC 14443-A
R/W Availability:	Read/Write
Characteristics:	Waterproof, high temperature resistant
Industry:	Retail, Events, Healthcare
Applications:	Contactless Smart Ticket, Public Transport, Event Management, Hospitality, Loyalty Programs

The MIFARE Ultralight® C HF RFID Silicone Wristband seamlessly incorporates robust 3DES encryption and distinct serial number safeguarding, fortifying data integrity against unauthorized duplication and manipulation. Engineered for modern access control and seamless contactless interaction, this silicone RFID wristband is ideal for public transit, event management, hospitality, and loyalty programs. Waterproof and heat-resistant from -30°C to 220°C, it comes in both adjustable (SW05-SW11) and non-adjustable (SW01-SW08) designs, ensuring comfort, durability, and a reliable fit for daily use.

Equipped with the NXP® MIFARE Ultralight® C chip, it features 3DES authentication, a unique serial number, and anti-cloning protection, safeguarding sensitive credentials from unauthorized duplication or tampering. With 144 bytes of memory, 100,000 write cycles, and ISO/IEC 14443-A contactless communication up to 10 cm, this wristband delivers both operational efficiency and uncompromised security for intelligent ticketing, guest services, and loyalty programs.

Physical Information	Material	Silicone
	Characteristics	Adjustable: SW05, SW06, SW07, SW09, SW10-1C, SW10-2C, SW11-1C, SW11-2C Non-adjustable: SW01/SW02, SW03, SW04, SW08
	Compliance	WEEE directive
	Operating Environment	-30°C~+220°C
	Storage Environment	+18°C~+28°C, 40%~60% RH

Technical Information	Operating Frequency	HF 13.56 MHz
	Communication Protocol	ISO/IEC 14443-A-1/-2/-3
	Communication Rate	106 kbit/s
	Operating Distance	Up to 10 cm
	R/W Availability	Read/Write
	Chip Type	NXP® MIFARE Ultralight® C
	User Memory	144 bytes
	EEPROM	192 bytes
	Access Protection	3DES authentication

* Detailed specification of each model will be specified in the attached leaflet.

● **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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