

NXP MIFARE Classic® EV1 1K RFID Silicone Wristband

AZ-S50-SW



Key Features

Operating Frequency	HF 13.56MHz
Chip Type	NXP MIFARE Classic® EV1 1K
International Standard	ISO/IEC 14443-A
EEPROM	1K byte
Compliance	WEEE directive
Operating Environment	-30°C to +220°C

1. Product Overview

The silicone wristband with MIFARE Classic® EV1 1K chip is a watch-style wristband that is elastic, easy to wear, easy to use, water-proof, moisture-proof, shockproof, and high temperature resistant. It can be used in public transportation, access management, employee management, internet cafes, loyalty, hospitality, etc.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZ-S50-SW
Material	Silicone
Characteristics	Waterproof, high temperature resistant
Specification	Adjustable: SW05, SW06, SW07, SW09, SW10-1C, SW10-2C, SW11-1C, SW11-2C Non-adjustable: SW01/SW02, SW03, SW04, SW08

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



2.2 Technical Parameters

Operating Frequency	13.56 MHz
Communication Rate	106 kbit/s
Communication Protocol	ISO/IEC 14443-A, up to layer 3
Anticollision	Bit-wise
Operating Distance	Up to 10cm
Recognition Time	<100 ms

2.3 Chip Characteristics

Chip Manufacturer	NXP
Chip Family	MIFARE Classic®
EEPROM	1K byte
Write Endurance	200,000 times
Data Retention	10 years
Organization	16 sectors with 4 blocks
Unique Serial Number	4-byte NUID or 7-byte UID
4-byte Random ID	Yes (7B UID versions only)
Random Number Generator	Yes
Access Keys	2 Crypto1 keys per sector
Access Conditions	Per sector
Cryptography	Crypto1

2.4 Additional Information

Operating Environment	-30°C to 220°C
Application	Public transportation Access management employee management Internet cafes Loyalty Hospitality, etc.



<https://www.rfidtag.com>

E-mail : sales@rfidtag.com Phone Number: +86-131-3958-0585
Singapore Office : 10 Science Park Road #03-17A, The Alpha, Singapore Science Park, Singapore 117684
Shenzhen Office : 33-408, Qianhai SZ-HK Fund Town, Nanshan, Shenzhen, China 518052
Shenzhen Factory : Q5, XingDao Industrial Park, LongGang, Bantian, Shenzhen, China 518129