AZKF-UTL EV1-ABS

NXP MIFARE Ultralight® EV1 ABS RFID Key Fob Tag

HF ISO/IEC 14443-A

Key Features

Operating Frequency
HF 13.56MHz

Chip Type
NXP MIFARE Ultralight® EV1

International Standard
ISO/IEC 14443-A 1-3

EEPROM Memory
48 bytes

R/W Availability
R/W

Certificate
WEEE directive

Characteristics
Waterproof

Memory Protection
32-bit password protection

NXP Originality Check

1. Product Overview

MIFARE Ultralight® EV1 chip is the next generation of paper ticketing smart card IC for limited-use applications such as ticketing schemes and additional security options. Our MIFARE Ultralight EV1 key fob is designed for hospitality management, access control, public transportation, loyalty programs, etc.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZKF-UTL EV1-ABS					
Material	ABS					
Model No.	ABS-01	ABS-02	ABS-03	ABS-06	ABS-08	ABS-08 (slotless)
Size	44×31×5mm	35×28×4.8mm	40×32×3.8mm	51×32×5.9mm	37×30×8mm	37×30×8mm
Color	Red, Grey, Yellow, Green, Blue, Orange, Black	Red, Grey, Yellow, Green, Blue, Orange, Black	Red, Grey, Yellow, Green, Blue, Orange, Black, Brown, White, Light Green	Red, Yellow, Blue	Red, Grey, Yellow, Green, Blue, Orange, Black, Light Green	Red, Grey, Yellow, Green, Blue, Orange, Black, Light Green
Weight	5g/piece	4g/piece	4g/piece	5.5g/piece	5g/piece	5g/piece

2.2 Packaging

Format	Packed in box				
Quantity	50 pieces/bag, 1500 pieces/carton	100 pieces/bag, 2500 pieces/carton	100 pieces/bag, 2500 pieces/carton	50 pieces/bag, 1500 pieces/carton	50 pieces/bag, 2000 pieces/carton	50 pieces/bag, 2000 pieces/carton
Carton Dimension	49×24×20cm					
Weight	N.W. 7.5KG/carton, G.W. 8.5KG/carton	N.W. 10KG/carton, G.W. 11KG/carton	N.W. 10KG/carton, G.W. 11KG/carton	N.W. 8.25KG/carton, G.W. 9KG/carton	N.W. 10KG/carton, G.W. 11KG/carton	N.W. 10KG/carton, G.W. 11KG/carton

RFID Tag

2.3 Technical Parameters

Operating Frequency	13.56MHz
Communication Rate	106 kbit/s
Communication Protocol	ISO/IEC 14443-A 1-3
Memory Overwrite Protection	Yes, per page
Anticollision	Bit-wise
Reading Distance	2-10 cm

2.4 Chip Characteristics

Chip Manufacturer	NXP
Chip Type	MIFARE Ultralight® EV1
Data Retention	10 years
Write Endurance	100,000 times
User Memory	48 bytes
OTP Area	32 bit
Purse Functionality	3×24-bit one-way counter
Special Functionality	Fast readout function, NXP originality check
Memory Protection	32-bit password protection

2.5 Additional Information

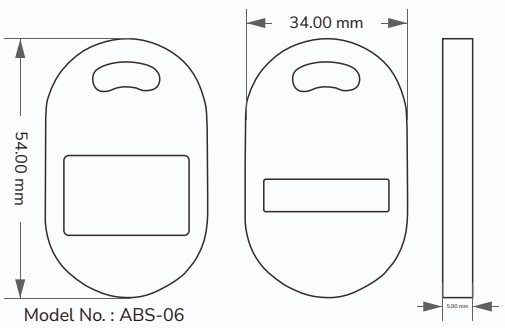
Operating Environment	-20°C to +80°C
Application	Access Control | Transportation Ticketing | Hospitality Management

3. Size and Specification Drawing

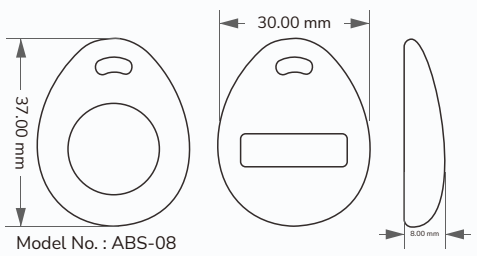
Model No. : ABS-01

Model No. : ABS-02

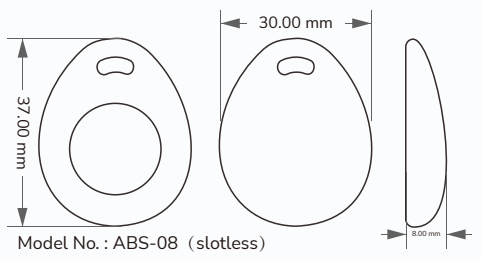
Model No. : ABS-03



Model No. : ABS-06



Model No. : ABS-08



Model No. : ABS-08（slotless）

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