

NXP MIFARE Classic® 4K

ABS RFID Key Fob Tag

AZKF-S70-ABS



Key Features

Operating Frequency
HF 13.56MHz

Chip Type
NXP MIFARE Classic® 4K

International Standard
ISO/IEC 14443-A

EEPROM Memory
4K byte

R/W Availability
R/W

Certificate
WEEE directive

Characteristics
Waterproof

1. Product Overview

The MIFARE Classic® EV1 4K is a mainstream contactless IC designed for fast and easy solution development. Our ABS RFID key fob with NXP MIFARE Classic 4K chip features an ABS housing with a large-memory of 4K-byte RFID chip, making it ideal for public transportation, access management, employee management, hospitality management, etc.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZKF-S70-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	<div><div><div>● Red</div><div>● Yellow</div><div>● Blue</div><div>● Black</div></div><div><div>● Grey</div><div>● Green</div><div>● Orange</div></div></div>	<div><div><div>● Red</div><div>● Yellow</div><div>● Blue</div><div>● Black</div></div><div><div>● Grey</div><div>● Green</div><div>● Orange</div></div></div>	<div><div><div>● Red</div><div>● Yellow</div><div>● Blue</div><div>● Black</div><div>○ White</div></div><div><div>● Grey</div><div>● Green</div><div>● Orange</div><div>● Brown</div><div>● Light Green</div></div></div>	<div><div><div>● Red</div><div>● Yellow</div><div>● Blue</div></div><div><div>● Grey</div><div>● Green</div><div>● Orange</div></div></div>	<div><div><div>● Red</div><div>● Yellow</div><div>● Blue</div></div><div><div>● Grey</div><div>● Green</div><div>● Orange</div><div>● Light Green</div></div></div>	<div><div><div>● Red</div><div>● Yellow</div><div>● Blue</div><div>● Black</div></div><div><div>● Grey</div><div>● Green</div><div>● Orange</div><div>● Light Green</div></div></div>
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

2.3 Technical Parameters

Operating Frequency	13.56MHz
Communication Rate	106 kbit/s
Communication Protocol	ISO/IEC 14443-A 1-3 compliant
Anticollision	Bit-wise
Reading Distance	2-10 cm



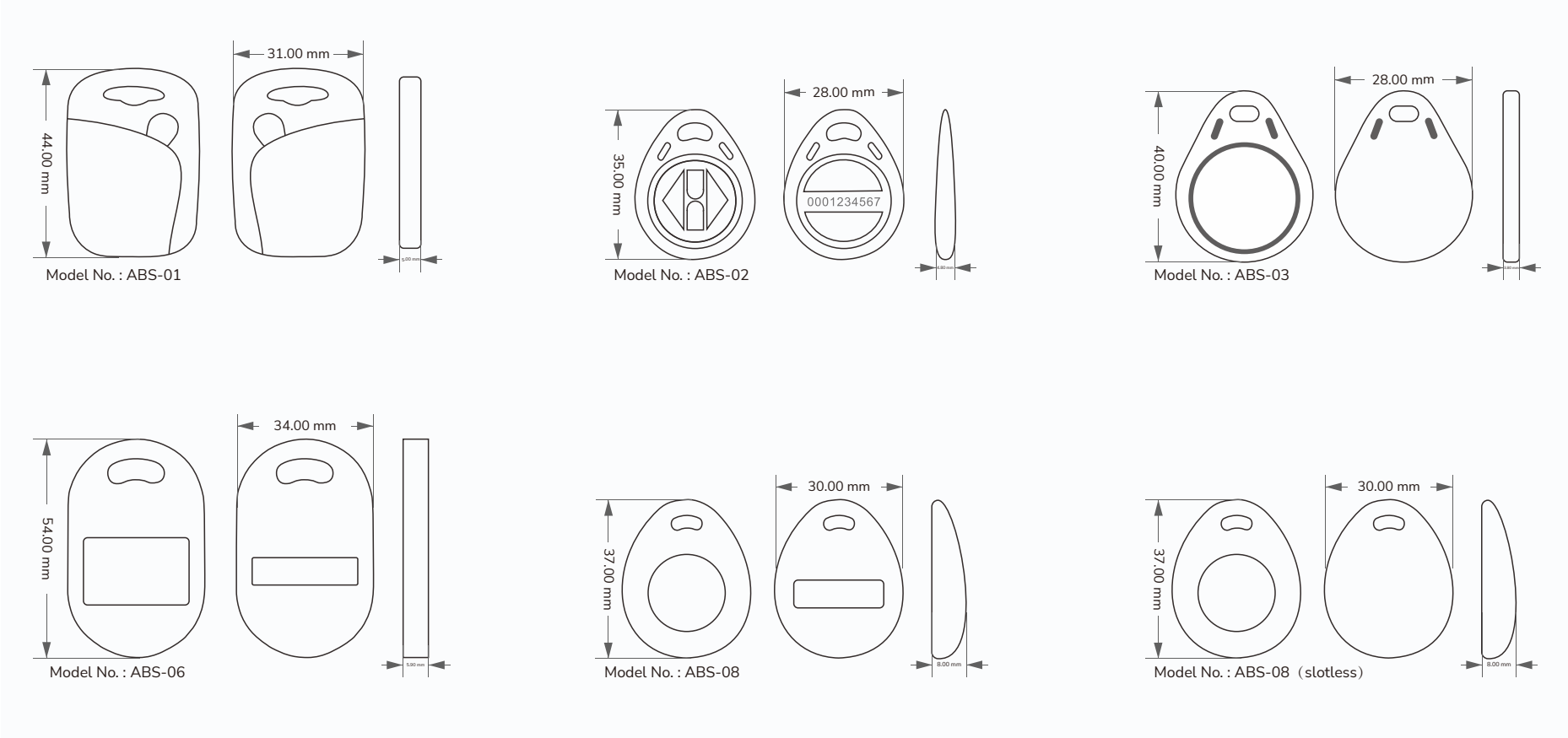
2.4 Chip Characteristics

Chip Manufacturer	NXP
Chip Family	MIFARE Classic®
EEPROM Size	4K byte
Write Endurance	200,000 times
Data Retention	10 years
Organization	32 sectors with 4 blocks, 8 sectors with 16 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

2.5 Additional Information

Operating Environment	-20°C to +80°C
Application	Public transportation Hospitality management access management employee management

3. Size and Specification Drawing



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