



# Smart credentials



## Overview

Schlage® offers a variety of smart credential technology options to fit the needs and budget of most every application. All smart credentials from Schlage are encrypted and secure, but also based on open, global standards, ensuring a future of headache-free flexibility and scalability. Schlage smart credentials offer a single credential solution for secure physical and logical access and are available in a variety of form factors to fit any facility or business need, including ISO style cards, clamshell cards, wristbands, key fobs and adhesive patches. All Schlage smart cards are compliant with international standard ISO 14443. Schlage 13.56 MHz contactless smart credentials are offered with the following industry standard MIFARE technologies:

### MIFARE® Classic

Schlage credentials using MIFARE® Classic technology are ideal for facilities with moderate security needs, and for businesses that want to use credentials to support multiple business functions.

- Simple, fixed memory structure
- Freely programmable memory
- Multiple memory options and form factors

### MIFARE Plus

MIFARE Plus brings advanced security, with the functionality of the MIFARE Classic credential. A cost efficient solution that's perfect for access control applications.

- Simple, freely programmable, fixed memory structure
- 128 AES encryption used for authenticity, confidentiality and integrity
- Multiple form factors

### MIFARE® DESFire® EV1

MIFARE® DESFire® EV1 offers the highest in security from Schlage and delivers the perfect balance of security, speed and performance. Its open protocol design allows future seamless integration of other applications.

- Flexible file system / flexible memory organization
- Fast and secure data transmission
- 128 AES encryption used for authenticity, confidentiality and integrity
- Multiple memory options and form factors

## Features and benefits

- Open architecture design is built on ISO 14443A standards, providing for a faster data transfer speed
- Offered in clamshell, ISO style cards, keyfobs, wristbands and adhesive patches
- Utilizes MIFARE Classic®, MIFARE Plus® or MIFARE® DESFire® EV1
- Custom artwork and laser engraving available for clamshell and ISO style cards



Clamshell card



Wristbands



ISO glossy card



PVC adhesive patch



Keyfob/thin keyfob



Mobile credential

## 13.56 MHz smart credentials

Model number	9420	9451	9520	9551	9558	9651	9651T	9351
Credential type	Clamshell	Clamshell	ISO glossy white <sup>1</sup>	ISO glossy white <sup>1</sup>	ISO glossy white <sup>1</sup>	Keyfob	Thin keyfob	Silicone wristband
Credential technology; ISO standard	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443
Magnetic stripe	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	No	No	No
Dimensions (H x W x T in inches)	3.37 x 2.125 x 0.075	3.37 x 2.125 x 0.075	3.37 x 2.125 x 0.033	3.37 x 2.125 x 0.033	3.37 x 2.125 x 0.033	2 x 1.24 x 0.38	1.77 x 1.18 x .06	0.63 x 7.68 x 0.295
Slot punch (printed guide)	Vertical (punched)	Vertical (punched)	Vertical or horizontal	Vertical or horizontal	Vertical or horizontal	Keyring	Keyring	N/A
Memory capacity; application sectors	2.5k bit; 5 sectors	1K byte/8k bit; 16 sectors	2.5k bit; 5 sectors	1K byte/8k bit; 16 sectors	4K byte/32k bit; 40 sectors	1K byte/8k bit; 16 sectors	1K byte/8k bit; 16 sectors	1K byte/8k bit; 16 sectors

## 13.56 MHz smart credentials

Model number	9751	9758	5451	5551	5540
Credential type	PVC adhesive patch	PVC adhesive patch	Clamshell	ISO glossy white <sup>1</sup>	ISO glossy white <sup>1</sup>
Credential technology; ISO standard	MIFARE Classic; ISO 14443	MIFARE Classic; ISO 14443	MIFARE Plus SE; ISO 14443	MIFARE Plus SE; ISO 14443	MIFARE Plus S; ISO 14443
Magnetic stripe	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>
Dimensions (H x W x T in inches)	3.37 x 2.125 x 0.033	3.37 x 2.125 x 0.033	3.37 x 2.125 x 0.075	3.37 x 2.125 x 0.033	3.37 x 2.125 x 0.033
Slot punch (printed guide)	Vertical	Vertical	Vertical (punched)	Vertical or horizontal	Vertical or horizontal
Memory capacity; application sectors	1K byte/8k bit; 16 sectors	4K byte/32k bit; 40 sectors	1K byte/8k bit	1K byte/8k bit	4K byte/32k bit

## 13.56 MHz smart credentials

Model number	5652T	5751	8420, 8440 8480	8520, 8540 8580	8620, 8640 8680	8720, 8740 8780
Credential type	Thin keyfob	PVC adhesive patch	Clamshell	ISO glossy white <sup>1</sup>	Keyfob	PVC adhesive patch
Credential technology; ISO standard	MIFARE Plus SE; ISO 14443	MIFARE Plus SE; ISO 14443	MIFARE DESFire EV1; ISO 14443	MIFARE DESFire EV1; ISO 14443	MIFARE DESFire EV1; ISO 14443	MIFARE DESFire EV1; ISO 14443
Magnetic stripe	No	No	No	Yes <sup>2</sup>	No	No
Dimensions (H x W x T in inches)	1.77 x 1.18 x 0.06	3.37 x 2.125 x 0.033	3.37 x 2.125 x 0.075	3.37 x 2.125 x 0.033	2 x 1.24 x 0.38	3.37 x 2.125 x 0.033
Slot punch (printed guide)	Keyring	Vertical	Vertical (punched)	Vertical or horizontal	Keyring	Vertical
Memory capacity; application sectors	2K byte/16k bit	1K byte/8k bit	2K byte/16k bit 4K byte/32k bit 8K byte/64k bit	2K byte/16k bit 4K byte/32k bit 8K byte/64k bit	2K byte/16k bit 4K byte/32k bit 8K byte/64k bit	2K byte/16k bit 4K byte/32k bit 8K byte/64k bit

**Limited lifetime warranty** - Credentials have a lifetime warranty against manufacturers defects. See sales policy for complete warranty details.

<sup>1</sup> ISO Glossy White style credentials are made from composite material, are printable, and can include a magnetic stripe as an option.

<sup>2</sup> Add M1 to the model number for a magnetic stripe when ordering. Vertical slot punch not available on magnetic stripe cards.

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## About Allegion

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