Smart Card Readers & Credentials
Simply Smarter

Smart Card Readers

Schlage's contactless smart card readers are the most secure readers in the industry. Instead of using open transmission protocols, Schlage smart card readers utilize high security data. Each message between the card and reader is digitally signed using Message Authentication Coding (MAC) to ensure the integrity of the data.

In addition to increased security, smart cards offer faster transaction times and greater data storage capacity. What differentiates smart cards from proximity cards is that the information can be read from or written to a credential.

Applications for smart cards include biometrics, logical access, cashless vending, and cafeteria services to name a few.

Schlage smart card technology is also compatible with many of the other 13.56 MHz technologies offered in the market today (see graphic below).

HID® iClass CSN▲ —   — **Schlage™**

ST Microelectronics® —   — **XceedID™**

Inside Contactless PicoTag® —   — **Texas Instruments Tag-It®**

Model Number	Description	HID® Comparable Product
SXF1060MF	Contactless MIFARE® Reader – Mini-Mullion	6100 (R10)
SXF1560	Contactless Smart Card Reader – Wall Mount	6120 (R40)
SXF2200	Contactless Smart Reader – Mid-Range	N/A
SXF2210	Contactless Smart Reader – Mid-Range with Keypad	6130 (RK40)

▲ CSN = Card Serial Number

Smart Credentials

Schlage's contactless smart credentials put you in control by delivering smarter solutions. Schlage offers the choice of 2.5k, 8k, 16k, 32k, or 64k bits of storage which will meet the most demanding data storage requirements. This enhanced data storage allows for a wide range of card applications such as biometrics, transit and point of sale applications such as cashless vending and cafeteria services. The open architecture design of Schlage's contactless smart credential is built to ISO 14443A standards providing for a faster data transfer speed.

The contactless smart credential by Schlage operates on a 13.56 MHz frequency and also utilizes high security encrypted data which is mutually authenticated in communication between the card and reader, providing an infinite number (many trillions) of unique badge ID codes.

With the Contactless Smart Credentials, there is very little wear and tear on the cards ensuring longer life for your cards. These credentials also have a passive design which requires no batteries or maintenance for the life of the card. Offered in several different form factors, Schlage has the Smart Credentials to fit your needs. The clamshell style card is highly durable and more rigid than the typical credit card making this card ideal for harsh environments. The ISO style card is similar in size and thickness to a credit card and has the ideal surface to print custom artwork, images and photographs for identification. The keyfob style credential can easily be attached to any keyring for convenience. The PVC adhesive patch credential can be adhered to any frequently used surface.

Model Number	Description
SXF8420	Clamshell aptiQ™ smart cards using MIFARE DESFire™ EV1 2k byte/ 16k bit *
SXF8440	Clamshell aptiQ™ smart cards using MIFARE DESFire™ EV1 4k byte/ 32k bit *
SXF8480	Clamshell aptiQ™ smart cards using MIFARE DESFire™ EV1 8k byte/ 64k bit *
SXF8520	ISO aptiQ™ smart cards using MIFARE DESFire™ EV1 2k byte/ 16k bit *
SXF8540	ISO aptiQ™ smart cards using MIFARE DESFire™ EV1 4k byte/ 32k bit *
SXF8580	ISO aptiQ™ smart cards using MIFARE DESFire™ EV1 8k byte/ 64k bit *
SXF8520M1	ISO aptiQ™ smart cards using MIFARE DESFire™ EV1 2k byte/ 16k bit w/ Mag Stripe *
SXF8540M1	ISO aptiQ™ smart cards using MIFARE DESFire™ EV1 4k byte/ 32k bit w/ Mag Stripe *
SXF8580M1	ISO aptiQ™ smart cards using MIFARE DESFire™ EV1 8k byte/ 64k bit w/ Mag Stripe *
SXF8720	PVC Patch aptiQ™ smart cards using MIFARE DESFire™ EV1 2k byte/ 16k bit *
SXF8740	PVC Patch aptiQ™ smart cards using MIFARE DESFire™ EV1 4k byte/ 32k bit *
SXF8780	PVC Patch aptiQ™ smart cards using MIFARE DESFire™ EV1 8k byte/ 64k bit *
SXF9420	MIFARE® Smart Clamshell Card 2.5k bit
SXF9520	MIFARE Smart ISO Card 2.5k bit
SXF9520MS	MIFARE Smart ISO Card 2.5k bit with Magnetic Stripe
SXF9551	ISO MIFARE Contactless Smart Card 1k byte/ 8k bit memory
SXF9551MS	ISO MIFARE Contactless Smart Card 1k byte/ 8k bit memory w/ Mag Stripe
SXF9558	ISO MIFARE Contactless Smart Card 4k byte/ 32k bit memory
SXF9558MS	ISO MIFARE Contactless Smart Card 4k byte/ 32k bit memory w/ Mag Stripe
SXF9651	MIFARE Smart Keytag 1k bit memory
SXF9751	MIFARE Smart PVC Patch Cards 1k byte/8k bit memory
SXF9758	MIFARE Smart PVC Patch Cards 4k byte/32k bit memory
IBF-151	Combo Keyfob, 13.56 MHz MIFARE (1k byte/8k bit) and iButton
IBWB-151	Combo Keyfob, 13.56 MHz MIFARE (1k byte/8k bit) without iButton

 * Works with select smart card and multi-technology reader models.

IR Ingersoll Rand
Security Technologies