



# Multi-Technology Readers & Credentials

## SXF Multi-Technology Series

### Overview

The SXF multi-technology series of readers are the most flexible readers in the industry. Finally, one reader handles all applicable ISO standards (14443 and 15693). SXF multi-technology readers contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one unit, which allows our customers to economically migrate to the latest in smart card technology at their own pace.

SXF Multi-technology readers provide compatibility with HID® proximity, AWID™, GE/CASI ProxLite®, XceedID and Schlage proximity, and most 13.56 MHz technologies (see standards and technologies supported on back).

### Features & Benefits

- Industry standard 125 kHz proximity and 13.56 MHz contactless technology in the same reader
- Easy migration from proximity to smart card technology
- Compliance: compatible with all applicable ISO standards
- Read Range: up to 20.3cm
- Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information
- Tamper Detection
- Color: Black
- Accommodates interior, exterior, metal and non-metal installation environments
- Modular Design: field upgradeable
- Security/Key Management: several options to ensure the greatest choice between “open” or high security
- Warranty: lifetime against defective workmanship and materials



### ORDERING INFORMATION

- SXF1100 Multi-technology Mullion Reader
- SXF1100-PIV Multi-technology Mullion Reader (FIPS201/PIV II Compliant)
- SXF1500 Multi-technology Wall Mount Reader
- SXF2100 Multi-technology Mid-Range Reader
- SXF2100-PIV Multi-technology Mid-Range Reader with Keypad (FIPS201/PIV II Compliant)
- SXF2110 Multi-technology Mid-Range Reader
- SXF2110-PIV Multi-technology Mid-Range Reader with Keypad (FIPS201/PIV II Compliant)
- SXF7510 ISO 125 kHz Proximity Credential
- SXF9540 ISO ISOX 13.56 MHz Contactless Smart Card
- SXF9551 ISO MiFARE 13.56 MHz Contactless Smart Card

READER SPECIFICATIONS				
	SXF1100	SXF1500	SXF2100	SXF2110
Frequency	125 kHz and 13.56 MHz			125 kHz and 13.56 MHz with Keypad
Standards	ISO 15693 and ISO 14443			
Maximum Read Range*				
125 kHz:	up to 12.7cm	up to 11.4cm	up to 22.9cm	
13.56 MHz ISO 15693:	up to 11.4cm	up to 7.6cm	up to 15.2cm	
13.56 MHz ISO 14443 MIFARE Standard:	up to 5.1cm	up to 5.1cm	up to 7.6cm	
13.56 MHz ISO 14443 DESFire:	up to 3.8cm	up to 3.8cm	up to 6.4cm	
Compatibility (secure sector)	Schlage, XceedID ISOX, MIFARE, ISOX Lite, my-d, FIPS 201/PIV II**, DESFire EV1			
Compatibility (serial number only)	MIFARE, DESFire, iCLASS, Inside Pictotag, ST Micro, TI Tagit			
System Interface	Wiegand			
Voltage Range	6-16 VDC	5-16 VDC	6-16 VDC	8-16 VDC
Power Supply	Linear DC			
Max Current Requirements	Average 95 mA DC DC Peak 254 mA	Average 110 mA DC Peak 160 mA DC	Average 95 mA DC Peak 218 mA DC	Average 120 mA DC Peak 215 mA DC
Cable Specifications	22 AWG 6 Conductor Stranded/Shielded (Minimum) / 18 AWG 6 Conductor Stranded/Shielded (Preferred)			
Cabling Distance	Wiegand Output 500ft (152m)			
Operating Temperature	-35 to 67C			
Dimensions (HWD)	14.9cm x 4.4cm x 2.9cm	13.0cm x 8.3cm x 1.9cm	14.9cm x 11.4cm x 3.7cm	
Weight	272gm	272gm	499gm	
Material	PBT Polymer			
Color Options	Black			
Certifications	FCC, Canadian FCC, UL 294 Listed**, R&TTE Directive (15 EU Countries), CE Mark			

\* Maximum read range depends on credential type/form factor and installation conditions

\*\* SXF 1500 is not FIPS 201/PIV II certified and is UL 294 Pending

## Schlage Proximity and Smart Card Credentials

Schlage offers both 125 kHz proximity and 13.56 MHz smart card credentials to meet the needs of your application.

	SXF7510	SXF9540	SXF9551
ISO - Glossy White	•	•	•
Card Technology	125 kHz Proximity (HID Compatible)	13.56 MHz Smart Card ISO X	13.56 MHz Smart Card MIFARE
Memory Capacity	N/A	10k bit; 5 sectors	8k bit / 1K byte; 16 sectors, Also available in 2.5k & 32k bit (SXF9520 & SXF9558)
Multiple bit formats	•	•	•
Dimensions (HWT)	8.6cm x 5.4cm x 0.1cm		
Slot Punch (Printed Guide)	Vertical or Horizontal		
ISO Standard	N/A	ISO 15693	ISO 14443
Printable	•	•	•
HID Equivalent	1386	N/A	1430*
HID Compatible 125 kHz Proximity	Yes	No	No
Multi-Tech Card 125 kHz/13.56 MHz	SXF9940/9951/9958	SXF9940	SXF9951
Clam Shell Option	SXF7410	SXF9440	SXF9420/9451
Composite Material Option	SXF7510C	SXF9540C	SXF9551C
Magnetic Stripe Option	SXF7510MS	SXF9540MS	SXF9551MS

\* MIFARE compatibility may vary based on chip configuration and security measures employed.

\*\* Credentials have a lifetime warranty against manufacture defects. See sales policy for complete warranty details.

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