



Multi-Technology Readers

Overview

All Schlage Multi-Technology Readers contain both 125 kHz proximity and 13.56 MHz smart card capability in one unit, making them the most flexible readers in the industry. With the ability to simultaneously read smart and proximity cards, customers are protected from obsolescence in the transition from proximity technology to contactless smart card technology. Even if customers want to continue using proximity technology today, these multi-technology readers offer economical migration to the latest in smart card technology on their budget or timeline.

The smart capability of the multi-technology reader provides higher security when used with a smart credential. Each message between the card and the reader is digitally signed using Message Authentication Coding to ensure the integrity of the data. Additionally, smart reader technology can be used in various applications, including logical access, cashless vending, and cafeteria services.

These readers are compliant with all applicable ISO standards (14443).



Readers
Multi-Technology Readers

Features & Benefits

- Multiple Color Options
- Modular design allows for easy, upgradeable changes in the field
- Manufactured with high-quality UV resistant materials
- Tri-state LED (red, green, amber) provides a visual indicator and audio feedback representing status and activity information
- Accommodates interior, exterior, metal, and non-metal installation environments
- Security/Key Management: several options to ensure the greatest choice between "open" or high credential security
- Lifetime limited warranty against defective workmanship and materials



Base Part Number	SXF1100	SXF1500	SXF 2100	SXF 2110
Technology	Multi-Technology 125 kHz Proximity Technology 13.56 Mhz Smart Technology			
Mount	Mullion Reader	Wall Mount Reader	Mid-Range Wall Mount	Mid-Range Wall Mount
FIPS 201 Compliant Model	Yes			
Frequency	125 kHz and 13.56 MHz			
Standard Default Configuration	75 bit PIV			
Standards	ISO 14443 and ISO 15693			
Physical Dimensions (HWD)	5.85" x 1.72" x 1.14" 14.9 cm x 4.3 cm x 2.9 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	5.85" x 4.5" x 1.45" 14.9 cm x 11.4 cm x 3.7 cm	5.85" x 4.5" x 1.45" 14.9 cm x 11.4 cm x 3.7 cm
Weight	0.6 lbs		1.1 lbs	
Certifications	FCC Certification Canadian FCC Certification UL 294 Listed R&TTE Directive (15 EU Countries) CE Mark	FCC Certification UL 294 Listed CE Mark	FCC Certification Canadian FCC Certification UL 294 Listed R&TTE Directive (15 EU Countries) CE Mark	FCC Certification Canadian FCC Certification UL 294 Listed CE Mark CE Mark
Voltage Range	6-16 VDC	5-16 VDC	6-16 VDC	8-16 VDC
Power Supply	Linear DC			
Average Current Requirement	95 mA DC	110 mA DC	95 mA DC	120 mA DC
Peak Current Requirement	254 mA DC	160 mA DC	218 mA DC	215 mA DC
Maximum Read Range*				
125 kHz:	up to 5" (12.7cm)	Up to 4.5" (11.4cm)	up to 6" (15.24cm)	up to 6" (15.24cm)
13.56 MHz:	ISO 14443: up to 1.5" (3.8cm)		ISO 14443 MIFARE Standard: up to 3" (7.62cm)	ISO 14443 MIFARE Standard: up to 3" (7.62cm)
			ISO 14443 DESFire: up to 2.5" (6.35cm)	ISO 14443 DESFire: up to 2.5" (6.35cm)
			ISO 15693: up to 6" (15.24cm)	ISO 15693: up to 6" (15.24cm)
Cable Specification	18 AWG, 5 Conductor Stranded/Shielded			
System Interfaces	Wiegand			
Operating Temperature	-31 to 151F (-35 to 67C)			
Color Options	Black (standard), Gray (optional)			
Additional Technologies Supported**	Schlage XceedID™ MIFARE® Secure Sector MIFARE® CSN aptiQ™ Smart Cards using MIFARE DESFire™ EV1 with PASCA DESFire® EV1 CSN (configurable) DESFire® CSN HID® Proximity protocols		HID iClass® CSN Inside Contactless PicoTag® CSN, GE/CASI ProxLite® ST Microelectronics® CSN Texas Instruments Tag-It® Serial Number Phillips I-Code® CSN AWID® Proximity LenelProx®	

** CSN = Card Serial Number

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

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