



Models SXF1100-PIV, SXF2100-PIV, SXF2110-PIV *Schlage Multi-Technology FIPS 201 Compliant Readers*

Overview:

Schlage's leading line of Multi-Technology card readers have been approved by the U.S. Government under HSPD-12 for FIPS 201 compliance as PIV Transparent Readers. PIV compliance is now available in three reader models including mullion-mount (SXF1100-PIV), midrange (SXF2100-PIV) and midrange with keypad (SXF2110-PIV).

Schlage Multi-Technology readers are a unique and critical component of successful security upgrades in all sectors of the government. FIPS 201 is a Federal Information Processing Standard ("FIPS") developed by the National Institute of Standards and Technology ("NIST") to satisfy the requirements of HSPD-12, a Homeland Security Presidential Directive. One of the main objectives of HSPD-12 is to ensure government-wide interoperability for information technology and security through the implementation of a range of federal standards and product requirements. FIPS 201 seeks to improve identification and authentication of Federal employees and contractors for access to Federal facilities and information systems.

Schlage FIPS 201 PIV compliant readers are available with five different data formats ranging from 75 bits to 200 bits. These output formats provide unprecedented versatility within the PIV II specification.

In addition to reading approved FIPS 201 PIV II credentials, Schlage Multi-Technology readers are also compatible with many standard proximity and leading smart card technologies (see compatibility chart). The ability to read multiple existing card types and PIV II cards simultaneously is a tremendous benefit to those agencies looking to transition seamlessly from older proximity technologies to new, mandated PIV II credentials. A mixed population of old prox credentials and new PIV II credentials is unavoidable during the government's multi-year upgrade path to FIPS 201 compliance.



ORDERING INFORMATION

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| SXF1100-PIV | Multi-technology Mullion Reader (FIPS201/PIVII Compliant) |
| SXF2100-PIV | Multi-technology Mid-Range Reader (FIPS201/PIVII Compliant) |
| SXF2110-PIV | Multi-technology Mid-Range Keypad Reader (FIPS201/PIVII Compliant) |

Features & Benefits

- FIPS 201 US Government Compliance: Readers are listed on GSA Approved Products Listing (GSA APL) for compatibility with PIV II credentials (i.e. Oberthur® and Gemalto®).
- Compatibility: compatible with industry standard 125 kHz proximity and 13.56 MHz contactless technologies (see chart)
- Compliance: compatible with applicable ISO standards
- Read Ranges: up to 6 inches (proximity), up to 2 inches for PIV II credentials.
- Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information
- Tamper Detection
- Environment: accommodates interior, exterior, metal and non-metal installation environments
- Warranty: limited lifetime against defective workmanship and materials, limited five years on keypad
- Schlage recommends use of the SXF2100-PIV as the standard reader as it offers the best performance for PIV cards and across other legacy card technologies
- Compatible with all access control systems that support wiegand format

READER SPECIFICATIONS			
	SXF1100-PIV	SXF2100-PIV	SXF2110-PIV
Frequency	125 kHz and 13.56 MHz		
Standards	ISO 15693 and ISO 14443		
Maximum Read Range*			
125 kHz:	up to 5.0" (7.6cm)	up to 8.0" (22.9cm)	
13.56 ISO 15693:	up to 4.5" (11.4cm)	up to 6.0" (15.2cm)	
13.56 ISO 14443 MIFARE Standard:	up to 1.5" (3.8cm)	up to 3.0" (7.6cm)	
Compatibility - Proximity	Schlage, XceedID, HID, GE/CASI, AWID		
Compatibility - Smart Card (secure sector)	Schlage, XceedID ISOX, MIFARE, FIPS 201/PIV II		
Compatibility - Smart Card (card serial number only)	HID iCLASS, Inside Pictotag, DESFire		
PIV Formats	Default: 75 bit PIV. Additional format options range from 75-200bits.		
System Interface	Wiegand		
Voltage Range	6-16 VDC	8-16 VDC	
Power Supply	Linear DC		
Max Current Requirements	Average 95 mA DC Peak 254 mA DC	Average 95 mA DC Peak 218 mA DC	Average 120 mA DC Peak 215 mA DC
Cable Specifications	18 AWG 6 Conductor Stranded/Shielded		
Cabling Distance	Wiegand Output: 500ft (152m)		
Operating Temperature	-31 to 151F (-35 to 67C)		
Dimensions (HWD)	5.85" x 1.72" x 1.14" (14.9cm x 4.4cm x 2.9cm)	5.85" x 4.50" x 1.45" (14.9cm x 11.4cm x 3.7cm)	
Weight	0.6 lbs	1.1 lbs	
Material	PBT Polymer		
Color Options	Black/Charcoal/White		
Certifications	FCC, Canadian FCC, UL 294, R&TTE Directive (15 EU Countries), CE Mark		

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

