



XceedID[®] FIPS 201 PIV II Readers

*Read existing proximity cards and new
FIPS 201 PIV II cards in one reader!*

FEATURES

- » 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 on back)
- » 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.

XceedID recommends use of the XF2100-PIV as the standard reader as it offers the best performance for PIV cards and across other legacy card technologies.



OVERVIEW

XceedID's industry leading ISOX™ 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 ISOX reader models including mullion-mount (XF1100-PIV), midrange (XF2100-PIV) and midrange with keypad (XF2110-PIV).

XceedID FIPS 201 PIV compliant readers are available with five different data formats ranging from 75 bits to 245 bits. These output formats provide unprecedented versatility within the PIV II specification.

In addition to reading approved FIPS 201 PIV II credentials, XceedID Multi-Technology readers are also compatible with many standard proximity and leading smart card technologies (see compatibility chart on back).

The ability to read multiple existing card types and PIV II cards simultaneously is a tremendous benefit to those agencies looking to painlessly transition 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. XceedID 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.



XCEEDID PIV READERS
(XF1100-PIV, XF2100-PIV, XF2110-PIV)

SPECIFICATIONS

FREQUENCY

- » 125 kHz and 13.56 MHz

STANDARDS

- » ISO 15693 and ISO 14443

CERTIFICATIONS

- » FCC Certification
- » Canadian FCC Certification
- » UL 294 Listed
- » R&TTE Directive (15 EU Countries)
- » CE Mark

VOLTAGE RANGE

- » 6-16 VDC

POWER SUPPLY

- » Linear DC (recommended)

MAX. CURRENT REQUIREMENT

- » XF1100: Average 95 mA DC
- » XF1100: Peak 254 mA DC
- » XF2100: Average 95 mA DC
- » XF2100: Peak 218 mA DC
- » XF2110: Average 120 mA DC
- » XF2100: Peak 215 mA DC

Disclaimer: The U.S. Government PIV credentials are complex dual interface credentials involving contact and contactless smart card components, and in some cases a proximity component (antenna coil) or other technologies such as bar code or mag stripe. XceedID PIV readers have been approved by the GSA lab as compliant with FIPS 201 and the appropriate PIV credentials.

XceedID does not control the quality, tuning or RF performance of the PIV cards and therefore cannot guaranty that every card will read on our readers. The transaction time and the RF performance varies widely from one card type and manufacturer to another and is solely dependent on the card quality and not the reader. Any PIV reader installations intended to be mounted on or near metal surfaces should be tested in the actual install environment to verify operation. XceedID cannot guarantee performance of PIV credentials on readers mounted on or near metal or installations. Every PIV reader is tested at the factory prior to shipping.

CABLE SPECIFICATION

- » Recommended cable is 22AWG (18AWG preferred), minimum 5 conductor shielded (4 plus shield) in retrofit installs.

CABLING DISTANCE

- » Wiegand Output: 500 ft. (152m)
See installation manual for wiring guide and applicable functionality.

SYSTEM INTERFACE

- » Wiegand (Standard)

PIV FORMATS

- » 75 bit PIV by default. Additional format options range from 75-245 bits. For complete format definitions please see our website.

OPERATING TEMPERATURE

- » -31 to 151F (-35 to 67C)

PHYSICAL DIMENSIONS (HWD)

- » XF1100: 5.85" x 1.72" x 1.14"
- » XF1100: 14.9cm x 4.3cm x 2.9cm
- » XF2100: 5.85" x 4.5" x 1.45"
- » XF2100: 14.9cm x 11.4cm x 3.7cm
- » XF2110: 5.85" x 4.5" x 1.45"
- » XF2110: 14.9cm x 11.4cm x 3.7cm

MATERIAL

- » PBT Polymer

WEIGHT

- » XF1100: 0.6 lbs.
- » XF2100: 1.1 lbs.
- » XF2110: 1.1 lbs.

COLOR OPTIONS

- » Black (standard)
- » Charcoal (optional)
- » Light Gray (optional)

Available RF Technologies		Details
Default reader features (any combination of these features can be disabled upon request)		
13.56 MHz Smart Card Applications		
1	Secure MIFARE [®]	
2	Secure ISOX [™]	
3	Secure ISOX Lite [™]	
4	PIV II	
5	n/a	
13.56 MHz Smart Card CSN		
6	CSN HID [®] iClass [®] Inside [®] Picotag [®]	Card Serial Number (CSN) means NO ability to read data application areas
125 kHz Technologies		
7	HID [®] Prox	
8	GE [®] /CASI [®] Prox	
9	AWID [®] Prox, LenelProx	