



FEATURES

- » Industry standard 125 kHz prox and 13.56 MHz contactless smart card technology in the same reader
- » Compliance: compatible with applicable ISO standards
- » US Government Compliance: available in the GSA APL listed version XF2110-PIV product. Reader must be ordered as XF2110-PIV for government FIPS 201 PIV II compatibility (i.e. Oberthur[®] and Gemalto[®] cards).
- » Easy Migration: Includes XACTT[™] Automated Credential Transition technology (patent pending)
- » Read Range: up to 8 inches
- » 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
- » Security/Key Management: several options to ensure the greatest choice between "open" or high security credential security
- » Warranty: limited five year warranty against defective workmanship and materials



U.S. Patent Pending



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XceedID[®] **ISO**

Multi-technology Reader Series

XF2110 Mid-Range Keypad Reader

INTRODUCTION

The ISOX[™] series of readers are the most flexible readers in the industry. Finally, one reader handles all applicable ISO standards (14443 and 15693). All ISOX readers contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one unit.

ISOX readers provide compatibility with HID[®] proximity, GE/CASI ProxLite[®], AWID[®], LenelProx, and many 13.56 MHz technologies including ISOX and MIFARE (see chart on back).

Offering 125 kHz and 13.56 MHz technology in one reader, XceedID protects its customers from obsolescence in the transition from proximity technology to contactless smart card technology. Even if customers want to continue using old proximity technology today, ISOX readers offer an economical migration to the latest in contactless smart card technology on their budget or timeline.



PRODUCT APPLICATION

The ISOX mid-range keypad reader is ideal for higher security applications where two factor (card and/or pin number) authentication is desirable. This reader may be mounted on standard U.S. single gang electrical boxes or any typical wall mounted application.

DURABILITY

XceedID readers are manufactured with the highest quality UV-resistant materials. These plastics inhibit discoloration in all types of environmental conditions, including direct sunlight. The readers feature potted electronics and circuitry for protection against inclement weather.

SPECIFICATIONS

XceedID ISOX™ model XF2110 Mid-Range Keypad Reader

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

- » 8-16 VDC

POWER SUPPLY

- » Linear DC (recommended)

MAX. CURRENT REQUIREMENT

- » Average 120 mA DC
- » Peak 215 mA DC

CABLE SPECIFICATION

- » Recommended cable is 22AWG (18AWG preferred), minimum 5 conductor shielded (4 plus shield) in retrofit installs. See installation manual for wiring guide and applicable functionality.

SYSTEM INTERFACE

- » Wiegand (Standard)

CABLING DISTANCE

- » Wiegand Output: 500 ft. (152m)

OPERATING TEMPERATURE

- » -31 to 151F (-35 to 67C)

PHYSICAL DIMENSIONS (HWD)

- » 5.85" x 4.5" x 1.45"
- » 14.9 cm x 11.4 cm x 3.7 cm

WEIGHT

- » 1.1 lbs.

MATERIAL

- » PBT Polymer

COLOR OPTIONS

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

MAXIMUM READ RANGE *

- 125 kHz:
 - » up to 8" (22.86 cm)
 - 13.56 MHz:
 - » ISO 15693: up to 6" (15.24 cm)
 - » ISO 14443 MIFARE[®] Standard: up to 3" (7.62 cm)
 - » ISO 14443 MIFARE DESFire[®]: up to 2.5" (6.35 cm)
- * Maximum read range depends on credential type/form factor and installation conditions

Note: Compatibility chart is applicable to readers with firmware revision X02_21 and above. For firmware versions X02_20 and below, please see www.xceedid.com for complete details.

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™	
5	DESFire [®] Application	
13.56 MHz Smart Card CSN		
6	CSN HID [®] iClass [®] CSN 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	
Other reader features (these features can be enabled upon request but require other features to be disabled)		
13.56 MHz Smart Card CSN		Card Serial Number (CSN) means NO ability to read data application areas
10	CSN 14443-A (Cascade 1) MIFARE [®] 1K, 4K	only possible if features 1 and 3 are disabled
11	CSN 14443-A (Cascade 2) DESFire [®]	only possible if feature 5 is disabled
12	CSN 15693 (TI, ST, my-d)	only possible if feature 2 is disabled