



# XceedID<sup>®</sup> **ISO**

Multi-technology Reader Series

## XF2100 Mid-Range Reader

### 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 XF2100-PIV product. Reader must be ordered as XF2100-PIV for government FIPS 201 PIV II compatibility (i.e. Oberthur<sup>®</sup> and Gemalto<sup>®</sup> cards).
- » Easy Migration: Includes XACTT<sup>™</sup> 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 lifetime against defective workmanship and materials

### INTRODUCTION

The ISOX<sup>™</sup> 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<sup>®</sup> proximity, GE/CASI ProxLite<sup>®</sup>, AWID<sup>®</sup>, 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 reader is ideal for mounting on single gang US electrical boxes. The read range provided by this attractive package makes it the standard of choice for most wall mounted installations.



### DURABILITY/WARRANTY

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. XceedID protects its customers with a limited lifetime warranty, providing full confidence in your reader products. See Sales Policy for complete warranty details.



U.S. Patent Pending



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# SPECIFICATIONS

## XceedID ISOX™ model XF2100 Mid-Range 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

- » 6-16 VDC

### POWER SUPPLY

- » Linear DC (recommended)

### MAX. CURRENT REQUIREMENT

- » Average 95 mA DC
- » Peak 218 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](http://www.xceedid.com) for complete details.

Available RF Technologies		Details
<b>Default reader features</b> (any combination of these features can be disabled upon request)		
<b>13.56 MHz Smart Card Applications</b>		
1	Secure MIFARE®	
2	Secure ISOX™	
3	Secure ISOX Lite™	
5	DESFire® Application	
<b>13.56 MHz Smart Card CSN</b>		
6	CSN HID® iClass® CSN Inside® Picotag®	Card Serial Number (CSN) means NO ability to read data application areas
<b>125 kHz Technologies</b>		
7	HID® Prox	
8	GE®/CASI® Prox	
9	AWID® Prox, LenelProx	
<b>Other reader features</b> (these features can be enabled upon request but require other features to be disabled)		
<b>13.56 MHz Smart Card CSN</b>		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