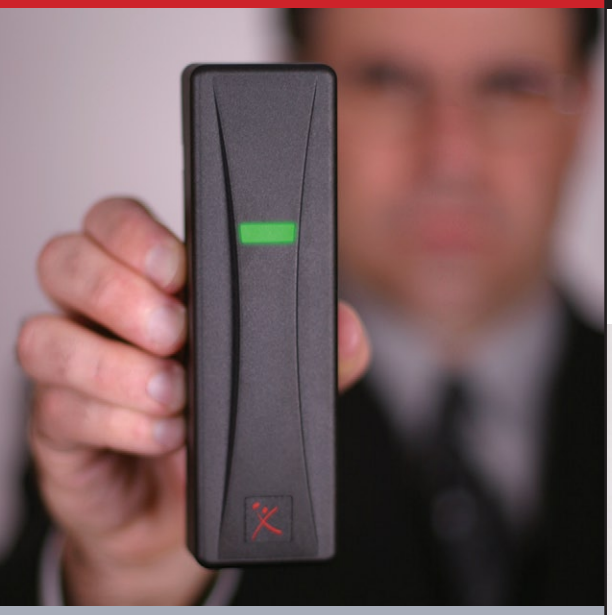
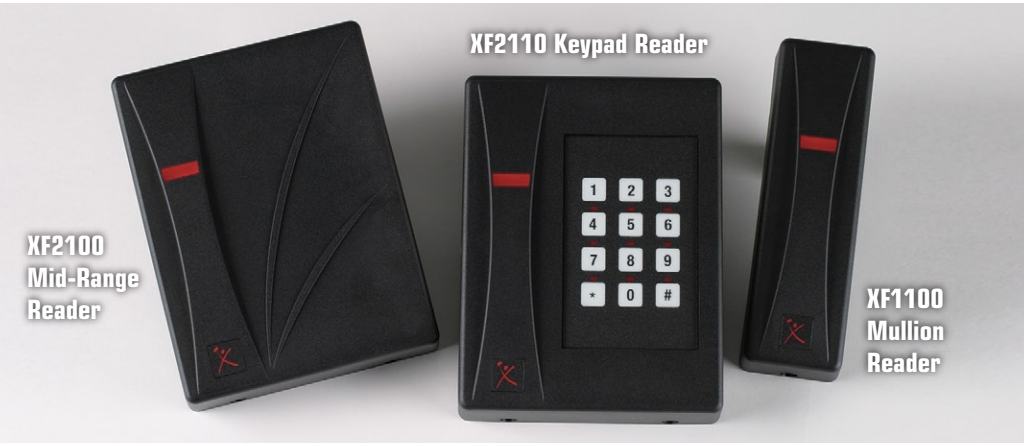
XceedID®
Xceeding The Ordinary



XceedID® ISO™ Contactless Products

125 kHz proximity and 13.56 MHz contactless smart technology in one reader!



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

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.

ISO™ U.S. Patent Pending

FEATURING XACTT™ U.S. Patent Pending

PERFORMANCE

XceedID® utilized its comprehensive knowledge of radio frequency system design to create products with a wide range of compatibility and enhanced read range across multiple frequencies and technologies while still meeting applicable regulatory requirements.

FEATURES

XceedID ISOX™ Multi-technology readers are compatible with industry standard 125 kHz proximity and 13.56MHz contactless technologies (see chart to the left) and comply with all applicable ISO standards. Readers come equipped with tamper detection, tri-state LED (red, green, amber) visual indicator with audio feedback representing status and activity information and can accommodate interior, exterior, metal and non-metal installation environments. ISO-X readers achieve read ranges up to 8 inches, depending on card technology. Several options for key management provide users the greatest choice between "open" or high credential security. Easy migration from proximity to smart card use is possible using XceedID's patent pending XACTT technology. US Government compliant, GSA APL listed versions of the products are available. Government compliant readers must be ordered as XF11000-PIV, XF2100-PIV, XF2110-PIV for FIPS201 PIV II compatibility (i.e. Oberthur® and Gemalto® cards).

SECURITY

Mutual authentication, message authentication coding and other features makes the ISOX™ line the most comprehensive secure reader line available.

VERSATILITY

Multi-technology compatibility with industry standard 125 kHz (HID® proximity, GE/CASI ProxLite®, AWID®, and LenelProx proximity) and 13.56 MHz technologies provides extreme versatility making XceedID the clear contactless product choice (see chart on back). Customers using older proximity technology can now migrate to state of the art, secure, contactless cards at their own pace, without having to replace entire card populations overnight.

EXPERIENCE

XceedID combined its knowledge of advanced electronics and cryptography while engineering the ISOX product line and its patent pending product features. Having previously developed industry leading contactless technology, the XceedID team implemented a unique system architecture which provides the ability for the reader electronics to multi-task. This results in faster processing of data such as biometric templates.

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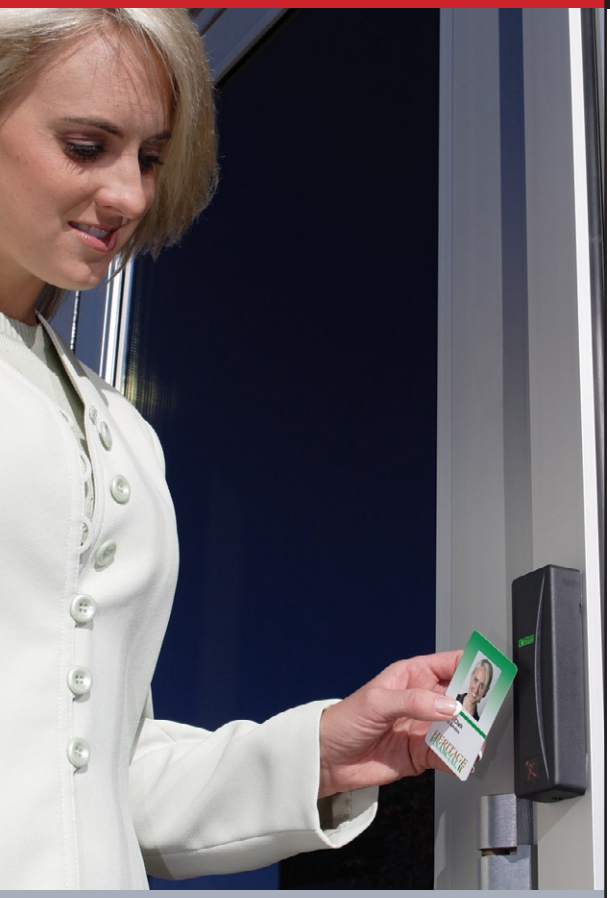


XceedID® Contactless Credentials

XceedID secure read/write products provide unmatched performance, security, and versatility.

PERFORMANCE

ISOX™ readers provide industry leading read range across multiple frequencies and technologies.

XceedID® technology has been recognized and awarded for product innovation in the security industry.

XceedID readers have applicable regulatory approvals including FCC, Canada, CE Mark, UL 294, FIPS 201 and more.

SECURITY

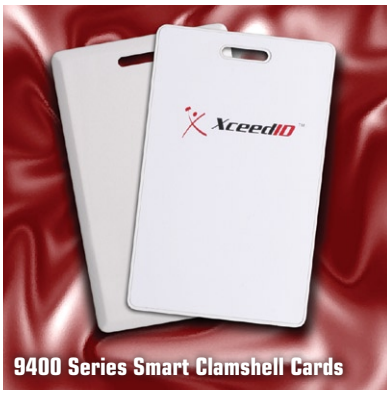
Communication between the card and reader utilizes cryptographic techniques including mutual authentication with 128 bit keys and message authentication coding. Using the 128 bit mutual authentication key and the unique 64 bit UID for an ISO 15693 credential (56 bit for ISO 14443), the ISOX system derives a unique or diversified 64 bit key for each credential.

Secure read/write memory choices are either 2.5K, 8K, 10K or 32K bits. The 10K bit secure memories are suitable for storage of biometrics and multiple applications within the same credential. See Application Note #4 at www.xceedid.com for additional details.

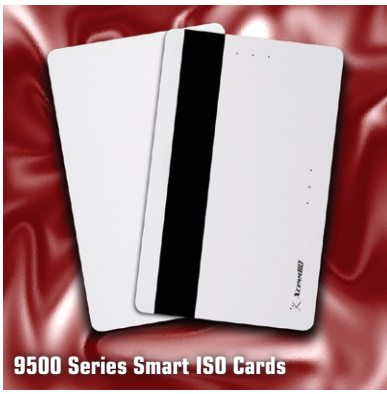
VERSATILITY

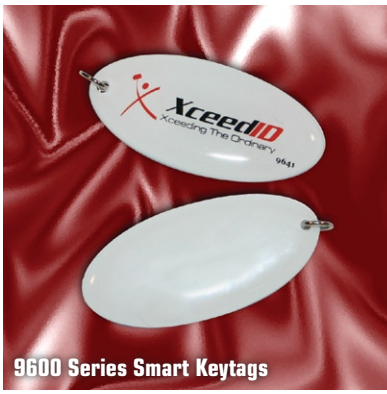
XceedID secure read/write credentials are available as clamshell cards, ISO cards and keytags. All credentials operate at 13.56 MHz according to either ISO15693 or ISO14443 standards. Custom order credentials are available with photo ID, custom artwork, magnetic stripe, anti-counterfeiting, multi-technology, etc.

ISOX credential memory maps come with 5 application areas that can be customized with any number of application areas from 2 to 15. MIFARE memory maps come with 16 application areas. See Application Note #4 at www.xceedid.com for additional details.



9400 Series Smart Clamshell Cards


9500 Series Smart ISO Cards



9600 Series Smart Keytags

ISOX and MIFARE Credential Features:

- Data Storage: Choice of 2.5k, 8k, 10k, or 32k bits of storage to meet the most demanding data storage requirements, including multiple applications and complex biometric templates.
- Secure: Utilizes high security data which is mutually authenticated in communication between the card and reader, providing an infinite number (many trillions) of unique badge ID codes.
- No Maintenance: Passive design requires no batteries or maintenance for the life of the card.
- Warranty: See sales policy for complete warranty details.

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Specifications subject to change without notice. Revised 1/2007.