

INID XS Reader family



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The INID XS reader family provides a flexible range of access control readers for reading High Frequency 13.56 MHz and Low Frequency 125 kHz credentials. INID XS readers come in two models: The High Frequency only SmartReader XS and the combined High and Low Frequency MultiSmart XS. INID XS readers are available with and without PIN keypad.

INID XS PIN readers

INID XS readers with PIN keypad provide a 3 × 4 matrix in a mullion style housing with back lighted symbols. Back lighting is initiated by either pressing a key or presenting a credential. PIN code entry is configurable from one to twelve digits. INID XS PIN readers support custom defined key value tables. The backlit feature allows for installation and use in low-light environments.

Output protocols and interfaces

INID XS readers are configurable for OSDP including Secure Channel or traditional access control: Wiegand, Clock & Data, and serial output via TTL and RS485. Output generation is performed in transparent or reader mode. In transparent mode the reader creates the requested output based on information in "auto formatted" credentials. In reader mode, the output is created via programmable parameters that control the operation of the highly flexible data and output engines of the reader.

Technologies

INID XS readers support:

ISO14443-3A: MIFARE® Classic, MIFARE Ultralight®.
ISO14443-4A: MIFARE® Plus SL3, MIFARE® DESFire®, SmartMX.

ISO14443-4B: Infineon, Atmel, ST microelectronics.

NFC: For passive credentials and devices.

LF-Prox: EM4102 and credentials programmed for HID®, AWID® QuadraKey, 2N, GE/CASI® ProxLite® LF Proximity readers.

Supported credentials

INID XS readers support PIV/PIV-I, TWIC/CAC, PKOC, AN10957, OESPACS and custom defined credentials with a custom defined format.

Multi-credential capabilities

INID SmartReader XS and MultiSmart XS support up to five different credential sets including up to two Low Frequency credentials for the MultiSmart XS. Each set defines: credential type and security, input data handling, optional data conversion and output data format. The multi-credential feature enables the use of a mixed credential population, making the MultiSmart XS and SmartReader XS ideal for transitioning and including additional credential populations to your system.

Field programmable

INID XS readers are field programmable via OSDP, RF-DISTRIFLEX® and contactless programming cards. Dismounting of the readers is not required. OSDP allows for centralized programming without the need to physically visit the readers. Field programming allows changing the functionality of the reader, adoption to changing security requirements, and loading of new firmware with new technologies and features. The field programmable capabilities future-proof your investment.

Security features

INID XS readers provide as standard:

Tamper detection: To detect opening of the reader housing.

Key store: Each reader contains unique AES256 encrypted key storage for reader and credential security keys.

Key diversification: is available on all technologies that require authentication to provide higher security by uniquely securing the data on the credential.



TECHNICAL SPECIFICATIONS



Power supply									
Voltage range		7 - 24 VDC							
model	Article code	Power (W)		(mA) @ Vmin		(mA) @ 12 VDC		(mA) @ Vmax	
		avg	peak	avg	peak	avg	peak	avg	peak
INID MultiSmart XS	500-5005C	1.50	2.35	215	340	125	200	65	100
INID MultiSmart XS PIN	500-5045C	1.50	2.55	215	365	125	215	65	110
INID SmartReader XS	500-5000C	1.50	2.35	215	340	125	200	65	100
INID SmartReader XS PIN	500-5040C	1.50	2.55	215	365	125	215	65	110

Environment	
Usage	Indoor and outdoor
Humidity	0 - 95% non condensing
Temperature	-25 to +65 °C / -15 to 150 °F
Protection class	IP55 IP54 for PIN models

Mechanical	
Dimensions	143x46x25 mm / 5.63"x1.8"x1"
Materials	UL94 V0 LEXAN

Technologies	
ISO14443-3A	MIFARE® Classic, MIFARE Ultralight®
ISO14443-4A	MIFARE® Plus SL3, MIFARE® DESFire® v0.6 ... EV3, SmartMX
ISO14443-4B	Infineon, Atmel, ST Microelectronics
NFC	Active mode on all models.
LF-Prox	HID® Prox, AWID®, QuadraKey, EM4102 and GE/CASI® ProxLite®

Protocol interfaces and models	
Wiegand, Clock & Data, TTL serial	0 - 5 VDC or open drain
RS485 OSDP	0 - 5 Volt levels

User feedback	
Bi-color LED bar	Single bar for user feedback with two controllable sections used for reader internal progress feedback.
Sounder	Multi-tone

Security features	
Tamper detection	Detect and signal open housing
Key store	Per reader uniquely encrypted key storage

Installation	
Connections	Non-detachable 8 pin screw connector
Mounting	Two piece housing, front with electronics and wall mounting plate

PIN model specific	
Actuators	Mechanical switch
Actions	1,000,000 times minimum
Indicators	Backlit symbols, sound and LED bar action

Compliance	
Listings and certifications	CE, FCC

Warranty	
Limited Lifetime	

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We care for the environment, we design our products to be durable and suitable for complete recycling. Our aim is to provide a cradle to cradle life cycle.

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