

# INID XS

## RF DistriFlex® line



### INID XS reader family

The INID XS RF DistriFlex® reader family provides a flexible range of access control readers for reading High Frequency 13.56 MHz and Low Frequency 125 kHz Prox credentials. INID XS RF DistriFlex® readers come in two models: The High Frequency only SmartReader XS and the combined Low and High Frequency MultiSmart XS. INID XS readers come with and without PIN keypad, with software controlled interface for Wiegand, Clock and Data, TTL and RS485. The field programmable capabilities future proof your investment.

### Technologies

INID XS readers support:

**ISO14443-3A:** MIFARE® Classic, MIFARE Ultralight®.

**ISO14443-4A:** MIFARE® DESFire® EV1, EV2 and V0.6, SmartMX.

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

**NFC:** peer-to-peer and support for passive credentials and devices.

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

### Output protocols

INID XS readers are configurable for OSDP including Secure Channel or traditional access control: Wiegand, Clock & Data, TTL.

### Multi-credential capabilities

INID SmartReader XS and MultiSmart XS are configurable to support up to five different credential sets including up to two Low Frequency credentials for the MultiSmart XS. Each set defines: credential type, input data handling, output data format. This feature enables the use of a mixed credential population with different credential types, data encodings and security settings, making the MultiSmart XS and SmartReader XS ideal for transitioning and including credential populations to your system.

### INID XS PIN readers

INID XS readers with PIN keypad provide a 3 x 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 customer defined PIN codes. The back lighted feature allows for installation and use in low-light environments.

### Credential handling

Credential handling 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 requested output is created via programmable parameters that control the operation of the highly flexible read and data engines of the reader.

### In Field programmable

INID SmartReader XS and MultiSmart XS readers are field programmable and support RF DistriFlex®. Dismounting of readers is not required with contactless programming cards and NFC Smartphones. Field programming allows changes to the function of the reader, adoption to changing security requirements, and loading of new firmware with new technologies and features.

### Security features

INID XS readers provide as standard security features:

**Tamper detection:** To detect opening of the reader housing, signaling is provided via customer defined actions.

**Key store:** Each reader contains uniquely AES encrypted key storage for reader and credential security keys.

**Key diversification:** is available on all supported technologies to provide higher security by uniquely securing the data on the credential.

### US government credentials

INID SmartReaders support PIV/PIV-I and TWIC/CAC credentials.



# 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 <span style="float: right;">IP54 for PIN models</span>

  

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

  

Technologies	
ISO14443-3A	MIFARE® Classic, MIFARE Ultralight®
ISO14443-4A	MIFARE® DESFire® EV1, EV2 (and version 0.6), 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	Back lighted 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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