

# Indala<sup>®</sup> Proximity

125 kHz Proximity Cards and Readers



High-quality Indala Proximity Readers deliver outstanding and consistent performance with intelligent programming technology, uniform core modules, and a range of stylish bezel designs. Indala proximity readers are available in Wave, Curve, Arch, and Linear styles in a variety of colors for the ultimate choice.

#### Exclusive FlexSecur<sup>®</sup> Security Technology

All HID Indala 125 kHz Proximity Readers feature FlexSecur<sup>®</sup> technology, which provides an added level of access control system security through a verification process at the reader. Unique to the HID Indala product line, FlexSecur<sup>®</sup> screens out unauthorized cards prior to sending card data to the host system.

# Indala® Proximity Readers



## Did you know?

Exclusive Indala FlexSecur password-protected security, between card and reader, screens out unauthorized cards before sending card data to the host system.

### Mullion (Slim) Readers

125 kHz proximity card reader (603 core module)

Base Part Number • FP-0500A

- The Mullion Reader can be mounted on any wall where limited space is an issue or where a slim, modern look is preferred to a wallswitch-size reader
- The Mullion Reader is ideal for mounting on door frames
- Suitable for indoor or outdoor use
- Read range up to 5.0" (12.5 cm)



Arch, Linear, Curve, Wave

Arch and Linear\*



Black, Grey, White, Beige  
\*Linear- Black, Beige

Curve



Black

Wave



Black, Blue  
(Dark Grey Background)

### Wallswitch Readers

125 kHz proximity card reader (603 core module)

Base Part Number • FP-0500A

- The Wallswitch reader is similar in size to most US switch plates
- Wallswitch reader can be mounted on a single gang box
- Suitable for indoor or outdoor use
- Read range up to 5.0" (12.5 cm)



Arch, Linear, Curve, Wave

Arch and Linear\*



Black, Grey, White, Beige

Curve



Black

Wave



Black, Blue  
(Dark Grey Background)

### Classic Readers

125 kHz proximity card reader (603 core module)

Base Part Number • FP-0500A

- Uniquely designed to replace a Wiegand Reader
- Dimensions are the same as the Classic Wiegand Swipe reader. Mounting holes match
- Ideal for transitioning existing Wiegand users to proximity
- Read range up to 5.0" (12.5 cm)



Linear

Linear



Black

# Indala® Proximity Readers



Arch, Wave

## Mid-Range Readers

**125 kHz proximity card reader (610 core module)**

**Base Part Numbers • FP-0200A and FP-0200S (Serial)**

- The Mid-Range reader can be mounted on both US-style single and double gang boxes
- Suitable for indoor and outdoor use
- The larger size reader gives a longer read range than the Mullion or Wallswitch readers, while offering the same modern design in bezel choices
- Read range up to 12.0" (30.5 cm)

Arch



Black, Grey, White, Beige

Wave



Black, Blue  
(Dark Grey Background)



Arch

## Long-Range Reader

**125 kHz proximity card reader (620 core module)**

**Base Part Numbers • ASR-620++**

- Suitable for both indoor and outdoor use
- Matches the Indala "Arch" design
- Compatible with all Indala 125 kHz cards, tags, and readers
- Read range up to 26.0" (66.0 cm)



Black



Black

## Heavy-Duty PinProx Keypad Readers

**Base Part Numbers • FP5071B Black (8 Bit Burst or Buffered)**

**• FP5077B Beige (8 Bit Burst or Buffered)**

- Sleek, modern design
- Designed to mount on a wall box or a flat surface
- Rugged construction (fully potted) PC/ABS Copolymer material is virtually indestructible and vandal resistant
- Read range up to 4.0" (10.0 cm)



Black, Beige

## Membrane Keypad Readers

**Base Part Numbers • FP5061B Black (8 Bit Burst or Buffered)**

**• FP5067B Beige (8 Bit Burst or Buffered) • FP5061M 3 X 4 Matrix, Black • FP5067M 3 X 4 Matrix, Beige**

- Designed to mount on a standard USA-type single gang box
- Keypad transmits either buffered Wiegand data or a 3 X 4 matrix output
- Factory or Field Programmable
- Read range up to 4.0" (10.0 cm)

# Indala® Proximity Readers



**Wallswitch Readers**



**Classic Readers**



**Mullion (Slim) Readers**

<b>Base Model Number</b>	603 Core Module FP-0500A		
<b>Dimensions</b>	Arch 4.5" x 3.0" x 0.8" (11.5 cm x 7.5 cm x 2.0 cm)  Wave 5.5" x 3.3" x 1.1" (14.0 cm x 8.5 cm x 3.0 cm)  Curve 5.0" x 3.8" x 1.1" (12.5 cm x 9.5 cm x 3.0 cm)  Linear 4.6" x 3.0" x 0.9" (11.5 cm x 7.5 cm x 2.5 cm)	2.3" x 5.3" x 0.8" (6.0 cm x 13.5 cm x 2.0 cm)	Arch 4.5" x 1.7" x 0.8" (11.5 cm x 4.5 cm x 2.0 cm)  Wave 5.5" x 1.7" x 1.1" (14.0 cm x 4.5 cm x 3.0 cm)  Curve 4.9" x 1.7" x 1.1" (12.5 cm x 4.5 cm x 3.0 cm)  Linear 5.5" x 1.7" x 0.8" (14.0 cm x 4.5 cm x 2.0 cm)
<b>Weight Range</b>	5.05-5.84 oz (143-166 g)	5.12 oz (145 g)	4.94-5.84 oz (140-166 g)
<b>Read Range</b>	Up to 5.0" (12.5 cm)		
<b>Mounting</b>	Single-gang electrical box	Replaces HID Classic Wiegand Swipe reader	Mullion
<b>Power Supply</b>	4-16 VDC		
<b>Current Requirements</b>	65 mA		
<b>Termination</b>	Pigtail		
<b>Output Formats</b>	Wiegand, Clock-and-Data, Serial TTL (requires use of BIL 232/422 Module)		
<b>Tamper</b>	No		
<b>Indoor/Outdoor</b>	Both		
<b>Warranty</b>	Lifetime		

# Comparison Chart



**Mid-Range Readers**



**Long-Range Reader**



**Heavy-Duty PinProx Keypad Readers**



**Membrane Keypad Readers**

610 Core Module FP-0200A and FP-0200S (Serial)	620 Core Module ASR-620XX	FP5071B Black or FP5077B Beige	FP5061B - Black, 8-bit burst/buffered FP5067B - Beige, 8-bit burst/buffered FP5061M - Black, 3x4 matrix FP5067M - Beige, 3x4 matrix
5.0" x 5.0" x 1.0" (12.5 cm x 12.5 cm x 2.5 cm)	11.2" x 11.2" x 1.8" (28.5 cm x 28.5 cm x 4.5 cm)	4.7" x 2.9" x 1.1" (12.0 cm x 7.5 cm x 3.0 cm)	4.5" x 3.0" x 0.7" (11.5 cm x 7.5 cm x 1.5 cm)
14.16-15.28 oz (401-433 g)	47.04 oz (1.33 kg)	13.44 oz (381.02 g)	7.08 oz (200.58 g)
Up to 12.0" (30.5 cm)	Up to 26.0" (66.0 cm)	Up to 4.0" (10.0 cm)	
Single or double gang box	Non-ferrous wall surface (or use 3.0" spacer on or near ferrous surface)	Single-gang electrical box	
4-16 VDC	12-24 VDC	4-16 VDC	
117 mA	1.0A/750 mA	75 mA	
Pigtail	Terminal Strip	Pigtail	
Wiegand, Clock-and-Data, Serial TTL (requires use of BIL 232/422 Module)	Wiegand, Clock-and-Data	Wiegand, Clock-and-Data, Serial TTL (requires use of BIL 232/422 Module)	
No			
Both			
Lifetime			

# Indala<sup>®</sup> Proximity Credentials

## FlexISO<sup>®</sup> Card

*FlexISO is a credit-card thin access credential that comes with a graphics-quality surface on both sides.*

**Base Part Number • FPIISO**

- ISO 7810/7811 Compliant
- Can be combined with a magnetic stripe, bar code, a multitude of smart chips, and MIFARE
- PVC card surface optimized for dye-sublimation printing



## FlexISO<sup>®</sup> XT Card

*FlexISO's unique composite formulation enhances the structural integrity of the card, providing additional protection of the core electronics.*

**Base Part Number • FPIXT**

- ISO 7811/7813 Compliant
- PVC card surface optimized for dye-sublimation printing
- High durability. Great for applications that require magnetic stripe and/or barcode transactions



## FlexCard<sup>®</sup>

*Ideal for applications which require a robust card that is flexible and lightweight.*

**Base Part Number • FPCRD**

- Vertical design makes it well-suited for a badge
- Can accept a variety of ID badge overlays
- Competitively priced



## FlexTag<sup>™</sup>

*Innovative Indala FlexTag transforms a plastic ID badge into a proximity credential.*

**Base Part Number • FPTAG**

- Effortlessly upgrade from magstripe, or add prox to your smart card by simply attaching the small, circular FlexTag to your existing card
- The FlexTag also adheres to any non-metallic device, such as a cell phone or PDA, to instantly create a proximity badge



## FlexKey<sup>®</sup>

*Contemporary design enables the FlexKey to be easily attached to a key ring, badge clip, or badge lanyard.*

**Base Part Number • FPKEY**

- FlexKey's rugged double-sealed construction is built to withstand harsh operating environments
- By adding a company logo, the FlexKey can be customized for vacation resorts, locker rooms, health spas, apartment buildings, and club houses, as well as commercial offices where photo IDs are not required



# Indala® Proximity Credentials



## MIFARE®/Prox (Indala) Card

*The Indala Proximity and MIFARE contactless card combines smart card technology with the benefits of proven Indala proximity technology.*

*Base Part Number • FPMIF FlexISO Proximity and MIFARE Card*

*Base Part Number • FPMSC FlexISO Proximity, MIFARE, and Smart Card*

- ISO 14443, 7810 Compliant
- PVC card surface optimized for dye-sublimation printing
- Ideal for applications such as access control, cashless vending, public transportation, airline ticketing, customer loyalty, and photo ID cards
- Sixteen securely-separated data sectors enable multiple applications and support future growth



## DESFire®/Prox (Indala) Card

*Upgrade to the benefits of 13.56 MHz contactless smart card technology by combining DX DESFire and Indala proximity technologies in a single card.*

*Base Part Number • DXISO FlexISO Proximity and DESFire Card*

*Base Part Number • FPDXI FlexISO Proximity, DESFire and Smart Card*

- ISO 14443, 7810 Compliant
- PVC card surface optimized for dye-sublimation printing
- 4K Bytes (32,768 bits) of dynamic memory arranged in easy-to-define application folders and data files
- DX DESFire data can be encrypted with the highly secure Data Encryption Standard (3DES) algorithm, making it ideal for high-performance, high-security applications



## iCLASS® Prox Card

*Combines the benefits of HID iCLASS 13.56 MHz contactless smart card technology and Indala 125 kHz proximity technology in a single card.*

*Base Part Number • 202X-IND FlexISO-iCLASS Card*

*Base Part Number • 203X-IND FlexISO-iCLASS Embeddable Card*

- ISO 15693, 14443B Compliant
- PVC card surface optimized for dye-sublimation printing
- 2K bits (256 Bytes) or 16K bits (2K Bytes) memory options Multiple, securely separated files enable numerous applications, including the HID standard access control data
- iCLASS technology ensures high security with mutual authentication, encrypted data transfer, and 64-bit diversified keys for read/write capabilities



## ProxSmith Programmer System

*Base Part Number • AFP – 1000+*

- Multiple output formats enable flexibility in design of host interface protocols
- Encryption, password protection, and user access levels for uncompromised security in programming
- Lockable blocks prevent overwrite of fixed data stored on cards

# Indala Proximity<sup>®</sup> Credentials



**FlexCard<sup>®</sup>**

**FlexISO<sup>®</sup>**

**FlexISO<sup>®</sup> XT**

**FlexISO<sup>®</sup>  
MIFARE<sup>®</sup>**

	FlexCard <sup>®</sup>	FlexISO <sup>®</sup>	FlexISO <sup>®</sup> XT	FlexISO <sup>®</sup> MIFARE <sup>®</sup>
<b>Base Part Number</b>	FPCRD	FPISO	FPIXT	FPMXI
<b>Read Range: *</b>				
<b>Wallswitch Reader</b>	Up to 5.0" (12.0 cm)	Up to 5.0" (12.0 cm)	Up to 4.0" (10.0 cm)	
<b>Classic Reader</b>	Up to 5.0" (12.0 cm)			
<b>Mullion (Slim) Reader</b>	Up to 5.0" (12.0 cm)			
<b>Mid-Range Reader</b>	Up to 12.0" (30.0 cm)			
<b>Long-Range Reader</b>	Up to 25.0" (63.0 cm)	Up to 26.0" (66.0 cm)		Up to 24.0" (61.0 cm)
<b>Heavy-Duty PinProx Keypad Reader</b>	Up to 3.75" (9.5 cm)			
<b>Membrane Keypad Reader</b>	Up to 4.0" (10.0 cm)			
<b>Memory Size/ Application Areas</b>	N/A			1k Byte (8k bits) or 4k Bytes (32k bits)  MIFARE 1k: memory arranged in 16 64-byte Sectors  MIFARE 4k: memory arranged in 40 Sectors: 32 sectors of 64 bytes, 8 sectors of 256 bytes
<b>Indala Proximity 125 kHz</b>	Yes			
<b>Contact Smart Chip Module Embeddable</b>	No	Optional <sup>**</sup>		
<b>Wiegand Strip</b>	No			
<b>Magnetic Stripe</b>	No	Optional		
<b>Printable <sup>***</sup></b>	Yes			
<b>Standard HID Artwork</b>	Optional			
<b>Slot Punch</b>	Vertical	Horizontal or Vertical optional		Vertical optional
<b>Visual Security Options</b>	Yes			
<b>Additional Security Options</b>	FlexEnterprise			
<b>Warranty</b>	Lifetime			

\* Dependant upon installation conditions.

\*\* Contact smart chip module not included. Ask about HID's SMARTS Program for off-the-shelf contact smart chip embedded cards.

\*\*\* Some types of printing processes can take these credentials out of ISO compliance for thickness. Consult factory for more information.

# Comparison Chart



**FlexISO®  
DESFire™**



**FlexISO®  
iCLASS®**



**FlexTag™**



**FlexKey®**

FPDXI	202X-IND	FPTAG	FPKEY
Up to 4.0" (10.0 cm)		Up to 3.0" (7.0 cm)	Up to 2.0" (5.0 cm)
Up to 5.0" (12.0 cm)		Up to 3.0" (7.0 cm)	Up to 2.0" (5.0 cm)
Up to 5.0" (12.0 cm)		Up to 3.0" (7.0 cm)	Up to 2.0" (5.0 cm)
Up to 12.0" (30.0 cm)		Up to 7.0" (17.0 cm)	
Up to 24.0" (61.0 cm)		Up to 14.0" (35.0 cm)	Up to 16.0" (40.5 cm)
Up to 3.75" (9.5 cm)		Up to 1.75" (4.5 cm)	Up to 3.5" (9.0 cm)
Up to 4.0" (10.0 cm)		Up to 3.0" (7.0 cm)	Up to 3.5" (9.0 cm)
4k Bytes (32k bits)	2k bit (256 Byte) card – 2 application areas 16k bit (2k Byte) – 2 or 16 application areas 32k bit (4k Byte) card – 16k bit in 2 or 16 application areas plus 16k bit user configurable.	N/A	
Yes			
Optional**		No	
No			
Optional		No	
Yes		No	
Optional		No	Yes
Vertical optional		No	Keyring
Yes		N/A	
FlexEnterprise			
Lifetime			