

Indala Proximity Series

125 kHz Technology

- ▶ Compatible with All Existing Indala FlexPass® Cards and Readers
- ▶ FlexSecur® Technology for Extra Security
- ▶ Superior Format Control
- ▶ Interchangeable “Snap-On” Bezels
- ▶ Several Stylish Designs



ACCESS choice.

The HID Indala 125 kHz Prox Series provides added security when you need it.

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[®] Security Technology

All HID Indala 125 kHz Proximity Readers feature FlexSecur[®] 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[®] screens out unauthorized cards prior to sending card data to the host system.

This additional verification step enhances the security of your access system in two ways:

1. The entire card data field is encrypted prior to programming the card. Therefore, the data on the card cannot be decoded to determine the actual information on the card. Only the reader is able to decrypt the data and transmit it to the access control system.
2. Readers can be programmed for each site, protecting the end user by making each site unique for readers as well as cards.

Standard Readers

As with all Indala 125 kHz Proximity Readers, the Indala Standard Proximity series includes FlexSecur® technology. With a read range of up to five inches, Indala Standard Proximity readers are suitable for a variety of applications. All Indala Standard Proximity readers use the same Indala core module, and are available in three popular form factors: Mullion (Slim), Wallswitch, and Classic, and several designs including Arch, Linear, Curve, and Wave.



Arch, Linear, Curve, Wave

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.

Arch and Linear*



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

Curve



Black

Wave



Black, Blue
Dark Grey (Background)



Arch, Linear, Curve, Wave

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.

Arch and Linear



Black, Grey, White, Beige

Curve



Black

Wave



Black or Blue
Dark Grey (Background)



Linear

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.

Linear



Black

Mid-Range Readers

The HID Indala Mid-Range reader series, with FlexSecur® technology, is designed for applications requiring a longer read range of up to 12 inches.



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.

Arch



Black, Grey, White, Beige

Wave



Black or Blue
Dark Grey (Background)

Long-Range Reader

The HID Indala Long-Range Reader has a read range of up to 26 inches and is ideal for parking applications, and other situations that require longer read ranges.



Arch

Long-Range Reader

125 kHz proximity card reader (620 core module)

Base Part Number: ASR-620++

- Suitable for both indoor and outdoor use.
- Matches the Indala "Arch" design.
- Compatible with all Indala 125 kHz cards, tags, and readers.

Keypad Readers

Indala offers two Keypad Readers that combine both a proximity reader and keypad in one small, attractive package. With a read range of up to four inches, Indala Keypad readers are ideal solutions where additional layers of security are specified—such as in a lab or corporate research environment.



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.



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.

Indala Proximity Credentials

Proximity Credentials

HID Indala Proximity Credentials, with the extra security of FlexSecur® security technology, are available in a wide variety of styles suitable for every application. All Indala credentials are compatible with all Indala readers and can be easily encoded with the Indala ProxSmith® Programmer and toolkit. Plus, the passive, no-battery design of HID Indala proximity cards allows for an infinite number of reads and is warranted against defects in materials and workmanship.



FlexISO®

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

Base Part Number: FPISO

- 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® iCLASS®

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.



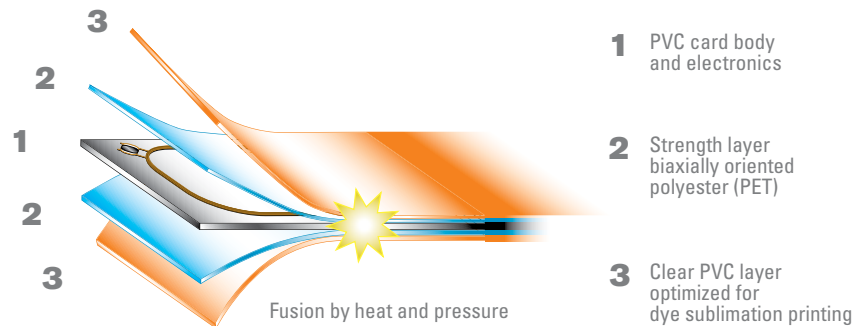
FlexISO®-MIFARE®

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.



FlexISO® XT

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®

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.



FlexISO®-DESFire™

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.

ProxSmith Programmer System and Application Programming Interface (API)

The ProxSmith Programmer System enables flexibility and convenience in the hands of OEM and security professionals to quickly program a card or reader on site. Therefore, users no longer need to rely on the factory for custom-formatted cards or readers.

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 Premier Program

The Indala Premier Program cost-effectively provides customers with covert and overt anti-counterfeiting elements, protecting your card on the outside.

Standard options include:

- Ultra-Violet (UV) Fluorescent Inks • Surface Holograms • Embedded Holograms



FlexTag™

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®

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 Readers Features

	Wallswitch Readers	Classic Readers	Mullion (Slim) Readers	Mid-Range Readers	Long-Range Reader	Heavy-Duty PinProx Keypad Readers	Membrane Keypad Readers
Mounting	Metal or plastic single gang outlet box	Replaces HID Classic Wiegand Swipe reader	Metal door frame, mullion	Metal or plastic single or double gang outlet box	Non-ferrous wall surface (or use 3" spacer on or near ferrous surface)	Metal or plastic single gang outlet box	
Dimensions-Inches (cm)	Arch 4.5"H x 3.0"W x 0.8"T (11.4 cm x 7.6 cm x 2.0 cm); Wave 5.5"H x 3.3"W x 1.1"T (14.0 cm x 8.4 cm x 2.8 cm); Curve 5.0"H x 3.8"W x 1.1"T (12.7 cm x 9.6 cm x 2.8 cm); Linear 4.6"H x 3.0"W x 0.9"T (11.7 cm x 7.6 cm x 2.3 cm)	2.3"H x 5.3"W x 0.8"T (5.8 cm x 13.5 cm x 2.0 cm)	Arch 4.5"H x 1.7"W x 0.8"T (11.4 cm x 4.3 cm x 2.0 cm); Wave 5.5"H x 1.7"W x 1.1"T (14.0 cm x 4.3 cm x 2.8 cm); Curve 4.9"H x 1.7"W x 1.1"T (12.4 cm x 4.3 cm x 2.8 cm); Linear 5.5"H x 1.7"W x 0.8"T (14.0 cm x 4.3 cm x 2.0 cm)	Arch 5.1"H x 6.1"W x 1.1"T (13.0 cm x 15.5 cm x 2.8 cm); Wave 5.5"H x 6.4"W x 1.4"T (14.0 cm x 16.3 cm x 3.5 cm)	11.2"H x 11.2"W x 1.8"T (28.4 cm x 28.4 cm x 4.6 cm)	4.7"H x 2.9"W x 1.1"T (11.9 cm x 7.4 cm x 2.8 cm)	4.5"H x 3.0"W x 0.7"T (11.6 cm x 7.6 cm x 1.7 cm)
Power Supply	4-16 VDC			4-14 VDC	12/24 VDC	4-16 VDC	
Current Requirements (Typical)	65 mA			117 mA	1.0A/750mA	75mA	
Operating Temperature	-31 to 149°F (-35 to 65°C)					-22 to 149°F (-30 to 65°C)	
Operating Humidity	0-95% RH, non-condensing						
Transmit Frequency	125 kHz Proximity						
Material	ABS, UL94 V0						
Certifications & Governments Approvals	UL294/cUL, FCC (US), Canada, CE Mark (Europe), Australia C-Tick, New Zealand EMC						
Part Number	603 Core Module FP-0500A			610 Core Module FP-0200A and FP-0200S (Serial)	620 Core Module ASR-620++	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
Colors	Wave- Blue, Black Curve- Black Arch- Black, Grey, White, Beige Linear- Black, Grey, White, Beige	Linear - Black	Wave- Blue, Black Curve- Black Arch- Black, Grey, White, Beige Linear- Black, Beige	Wave- Black, Blue Arch- Black, Grey, White, Beige	Black	Black or Beige	Black or Beige
Selectable Output Type	Wiegand, ABA Track II, Serial TTL (requires use of BIL 232/422 Module)				Wiegand, ABA Track II	Wiegand, ABA Track II, Serial TTL (requires use of BIL 232/422 Module)	
Termination	Wire Pigtail						
Field Programmable	Yes						
LED/Beeper Operation	Tri-State LED (red, green, amber) Configurable for single or dual line LED control. QuickFlash LED and Beep can be enabled/disabled.						
Warranty	Lifetime						

Proximity Read Range

	FlexISO®	FlexISO® XT	FlexISO® MIFARE® FlexISO® DESFire™ FlexISO® iCLASS®	FlexCard®	FlexTag™	FlexKey®
Wallswitch Reader	Up To 5" (12 cm)		Up To 4" (10 cm)	Up To 5" (12 cm)	Up To 3" (7 cm)	Up To 2" (5 cm)
Classic Reader			Up To 5" (12 cm)		Up To 3" (7 cm)	Up To 2" (5 cm)
Mullion (Slim) Reader			Up To 5" (12 cm)		Up To 3" (7 cm)	Up To 2" (5 cm)
Mid-Range Reader			Up To 12" (30 cm)		Up To 7" (17 cm)	
Long-Range Reader	Up to 26" (66 cm)		Up to 24" (61 cm)	Up to 25" (63 cm)	Up to 14" (35 cm)	Up to 16" (40.64 cm)
Heavy-Duty PinProx Keypad Reader			Up to 3.75" (9.52 cm)		Up to 1.75" (4.45 cm)	Up to 3.5" (8.89 cm)
Membrane Keypad Reader			Up to 4" (10 cm)		Up to 3" (7 cm)	Up to 3.5" (8.89 cm)

Indala Credential Features & Specifications Comparison

	Category	FlexISO®	FlexISO® XT	FlexISO® MIFARE®	FlexISO® DESFire™	FlexISO® iCLASS®	FlexCard®	FlexTag™	FlexKey®	
	Dimensions - Inches (mm)	3.38"H x 2.12"W x 0.03"T (86 mm x 54 mm x .76 mm) nominal	3.38"H x 2.12"W x 0.03"T (86 mm x 54 mm x .76 mm) nominal	3.38"H x 2.12"W x 0.03"T (86 mm x 54 mm x .76 mm) nominal	3.38"H x 2.12"W x 0.03"T (86 mm x 54 mm x .76 mm) nominal	3.38"H x 2.12"W x 0.03"T (86 mm x 54 mm x .76 mm) nominal	3.38"H x 2.23" W x .065" T (86 mm x 54 mm x 1.8 mm)	1.285"W x .07"H (32.64 mm x 1.78 mm)	1.725"H x 1.197"W x .215"T (43.8 mm x 30.4 mm x 5.46 mm)	
Basics	Product Type	Thin Card	Composite Card	Thin Card	Thin Card	Thin Card	Card	Adhesive Tag	Keyfob	
	Construction	PVC Laminate	PVC/PET Laminate	PVC Laminate	PVC Laminate	PVC Laminate	Molded Plastic	Lexan	Molded Plastic	
	Part Number	FPISO	FPIXT	FPMXI	FPDXI	202X-IND	FPCRD	FPTAG	FPKEY	
Technologies	Proximity 125 kHz	Yes								
	13.56 Mhz Read/Write	No		MIFARE®	DESFire™	iCLASS®			No	
	Contact Smart Chip ¹	Optional								No
	Wiegand Strip	No								
Exterior Features	Magnetic Stripe ²	Optional								No
	Direct Image Print ³	Yes						with PVC Overlay	No	
	Finishes	Gloss						Matte	N/A	
	Slot Punch ⁴	H/V	H/V	V					No	Keyring
	Premier Program: Anti-Counterfeiting Hologram and UV Ink	Optional								No
	Inkjet Numbering	Yes								
Specifications	Laser Engraving	Optional								No
	Warranty	2 yrs	Lifetime	2 yrs			Lifetime	2 yrs	Lifetime	
	ISO Compliance	ISO 7810 ⁵								N/A
	Proximity Format Range	up to 172 bits								
	Operating Temperature	32°F to 122°F 0°C to 50°C	-22°F to 158°F -30°C to 70°C	-22°F to 122°F -30°C to 50°C			-22°F to 149°F -30°C to 65°C	-50°F to 158°F -45°C to 70°C	-22°F to 149°F -30°C to 65°C	
Operating Humidity	5%-95% non-condensing									

Credential Notes for this page:

- 1 Available. Consult factory for correct base part number. Contact Smart Chip Embeddable cards are ISO 7816 compliant, and held to 0.0762 cm to 0.0838 cm (.030" to .033").
 - 2 Magnetic Stripe: ABA standard 3 track, high coercivity (4000 Oe) ISO 7811-6 compliant. Custom magnetic stripes available, consult factory.
 - 3 Direct image printing (using a dye-sub or reverse transfer printer) can be done at the factory, by the customer or by third parties.
 - 4 Slot Punch: V = Vertical slot punch option, H/V = Horizontal or Vertical slot punch option. Vertical slot punch is included standard on the FlexCard®. Keyring hole is included standard in the FlexKey®.
 - 5 Some types of printing processes can take these credentials out of ISO for thickness. Consult factory for more information.
- See Sales Policy for complete warranty details. Specifications given for general use only, consult data sheets or factory for exact specifications and tolerances.
- Specifications are subject to change without notice. Base part numbers are for reference only, consult Ordering Guide for complete part numbers and options.

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ACCESS experience.

hidcorp.com

HID Global Offices:

Corporate North America
9292 Jeronimo Road
Irvine, CA 92618-1905
U.S.A.
Phone: (800) 237-7769
Phone: (949) 598-1600
Fax: (949) 598-1690

Asia Pacific
19/F 625 King's Road
North Point
Island East
Hong Kong
Phone: +852 3160-9800
Fax: +852 3160-4809

Latin America
Circunvalacion Ote. #201 B
Despacho 3
Col. Jardines del Moral
Leon 37160, Gto.
Mexico
Phone: +52 477 779 1492
Fax: +52 477 779 1493

Europe, Middle East & Africa
Homefield Road
Haverhill, Suffolk
CB9 8QP
England
Phone: +44 (0) 1440 714 850
Fax: +44 (0) 1440 714 840