

# Indala Mid-Range Card Readers

- Indala FlexSecur® Technology for the Industry's Most Secure Proximity Readers** - Exclusive Indala FlexSecur Password-Protected Security between card and reader screens out unauthorized cards prior to sending access control data to the host system.
- Superior Format Control for the Most Application Choices** - Indala products offer card formats of up to 172 bits, and readers configurable for Wiegand, Magstripe, and Serial output formats.
- Indala Mid-Range Series Readers are Part of an Expansive Product Portfolio That Meets Every Proximity Reader Requirement** – The HID Indala Proximity portfolio includes classic, mullion/slim, wallswitch, mid-range, long-range, and heavy-duty keypad readers for every application.



## ACCESS choice.

The Indala 125 kHz Mid-Range Reader product line is HID's latest offering of highly-secure proximity readers. The HID Indala Mid-Range reader, with FlexSecur® technology, is designed for applications requiring a longer read range of up to 12 inches. These high-quality Indala Proximity Readers deliver outstanding and consistent performance with intelligent programming technology, a uniform core module, and a range of stylish bezel designs including Arch and Wave in a variety of colors.

### Exclusive FlexSecur® Security Technology

All HID Indala 125 kHz Proximity Readers feature FlexSecur technology, which provides an added level of access system security through a verification process at the reader. A unique HID Indala product feature, FlexSecur screens out unauthorized cards prior to sending access control 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. Cards and readers can be programmed uniquely for each site, protecting the end user against unauthorized entry attempts by using cards from another facility. Again, a feature unique to the HID Indala product line.

### Key Features:

- The Mid-Range reader can be mounted on both U.S. style single and double gang back boxes.
- Suitable for indoor and outdoor use.
- The larger size reader gives a longer read range than the HID Indala Mullion or Wallswitch readers, while offering the same modern design in a variety of bezel choices.

# Features

**Many Reader Bezel Style Choices for Design Flexibility**

Stylish readers are available in many attractive, "snap-on" bezel styles and colors.

**Unbeatable Warranty and Technical Support**

Customers can select HID Indala 125 kHz Proximity Readers with confidence because HID offers a lifetime product warranty and global Technical Support.

**Indoor / Outdoor Flexibility**

All readers are fully potted and have weatherproof electronics assemblies, making them suitable for internal and external applications.

**Card Programming**

The ProxSmith® Programmer System and Application Programming Interface puts flexibility and convenience in the hands of OEM and security professionals. With the ability to quickly program a card or reader on site, users no longer need to rely on the factory for custom formatted cards or readers. Plus, the ProxSmith Programmer System delivers the high level of security you expect from the HID Indala product line.

**Audio Tone Programming Flexibility**

Standard, independently controllable audio tone is not tied to LED function.

**Compatible with Any Control Panel**

Wiegand or Magnetic Stripe (Clock & Data) output easily interfaces with most existing access-control panels.

**Mid-Range Readers**

<b>Mounting</b>	Metal or plastic single or double gang outlet box																																								
<b>Dimensions</b>	Arch - 5.1"H x 6.1"W x 1.1"T (13.0 x 15.5 x 2.8 cm); Wave - 5.5"H x 6.4"W x 1.4"T (14.0 x 16.3 x 3.5 cm); Curve - 5.9"H x 6.2"W x 1.3"T (14.9 x 15.7 x 3.3 cm)																																								
<b>Power Supply</b>	4-14VDC																																								
<b>Current Requirements</b>	117 mA																																								
<b>Operating Temperature</b>	-31° F to 149° F (-35° C to 65° C)																																								
<b>Operating Humidity</b>	0-95% RH, non-condensing																																								
<b>Transmit Frequency</b>	125 kHz																																								
<b>Certifications</b>	UL294/cUL, FCC (US), Canada, CE Mark (Europe), Australia C-Tick, New Zealand EMC																																								
<b>Base Part Number</b>	<table border="1"> <thead> <tr> <th>Product Description</th> <th>Package Part # *</th> <th>Bezel Only Part #</th> </tr> </thead> <tbody> <tr><td>Wave, Black</td><td>FP-1231A</td><td>FPZ-1231A</td></tr> <tr><td>Wave, Blue</td><td>FP-1234A</td><td>FPZ-1234A</td></tr> <tr><td>Wave, Black (Serial)</td><td>FP-1231S</td><td>FPZ-1231A</td></tr> <tr><td>Wave, Blue (Serial)</td><td>FP-1234S</td><td>FPZ-1234A</td></tr> <tr><td>Arch, Black</td><td>FP-3231A</td><td>FPZ-3231A</td></tr> <tr><td>Arch, Grey</td><td>FP-3235A</td><td>FPZ-3235A</td></tr> <tr><td>Arch, White</td><td>FP-3236A</td><td>FPZ-3236A</td></tr> <tr><td>Arch, Beige</td><td>FP-3237A</td><td>FPZ-3237A</td></tr> <tr><td>Arch, Black (Serial)</td><td>FP-3231S</td><td>FPZ-3231A</td></tr> <tr><td>Arch, Grey (Serial)</td><td>FP-3235S</td><td>FPZ-3235A</td></tr> <tr><td>Arch, White (Serial)</td><td>FP-3236S</td><td>FPZ-3236A</td></tr> <tr><td>Arch, Beige (Serial)</td><td>FP-3237S</td><td>FPZ-3237A</td></tr> </tbody> </table>	Product Description	Package Part # *	Bezel Only Part #	Wave, Black	FP-1231A	FPZ-1231A	Wave, Blue	FP-1234A	FPZ-1234A	Wave, Black (Serial)	FP-1231S	FPZ-1231A	Wave, Blue (Serial)	FP-1234S	FPZ-1234A	Arch, Black	FP-3231A	FPZ-3231A	Arch, Grey	FP-3235A	FPZ-3235A	Arch, White	FP-3236A	FPZ-3236A	Arch, Beige	FP-3237A	FPZ-3237A	Arch, Black (Serial)	FP-3231S	FPZ-3231A	Arch, Grey (Serial)	FP-3235S	FPZ-3235A	Arch, White (Serial)	FP-3236S	FPZ-3236A	Arch, Beige (Serial)	FP-3237S	FPZ-3237A	
Product Description	Package Part # *	Bezel Only Part #																																							
Wave, Black	FP-1231A	FPZ-1231A																																							
Wave, Blue	FP-1234A	FPZ-1234A																																							
Wave, Black (Serial)	FP-1231S	FPZ-1231A																																							
Wave, Blue (Serial)	FP-1234S	FPZ-1234A																																							
Arch, Black	FP-3231A	FPZ-3231A																																							
Arch, Grey	FP-3235A	FPZ-3235A																																							
Arch, White	FP-3236A	FPZ-3236A																																							
Arch, Beige	FP-3237A	FPZ-3237A																																							
Arch, Black (Serial)	FP-3231S	FPZ-3231A																																							
Arch, Grey (Serial)	FP-3235S	FPZ-3235A																																							
Arch, White (Serial)	FP-3236S	FPZ-3236A																																							
Arch, Beige (Serial)	FP-3237S	FPZ-3237A																																							
<b>Options</b>	Color – Wave: Black, Blue, Arch: Black, Grey, White, Beige Selectable Output Type: Wiegand, ABA Track II, Serial TTL (requires use of BIL 232/422 Module) Standard Termination – wire pigtail Programmable: Yes																																								
<b>Warranty</b>	Lifetime																																								
<b>Read Ranges**</b>	<table border="1"> <tbody> <tr><td>FlexISO® Card</td><td>Up to 12" (30 cm)</td></tr> <tr><td>FlexISO XT Card</td><td>Up to 12" (30 cm)</td></tr> <tr><td>FlexCard®</td><td>Up to 12" (30 cm)</td></tr> <tr><td>FlexTag™</td><td>Up to 7" (17 cm)</td></tr> <tr><td>FlexKey®</td><td>Up to 7" (17 cm)</td></tr> <tr><td>FlexISO MIFARE®</td><td>Up to 12" (30 cm)</td></tr> <tr><td>FlexISO DESFire™</td><td>Up to 12" (30 cm)</td></tr> <tr><td>FlexISO iCLASS®</td><td>Up to 12" (30 cm)</td></tr> </tbody> </table>		FlexISO® Card	Up to 12" (30 cm)	FlexISO XT Card	Up to 12" (30 cm)	FlexCard®	Up to 12" (30 cm)	FlexTag™	Up to 7" (17 cm)	FlexKey®	Up to 7" (17 cm)	FlexISO MIFARE®	Up to 12" (30 cm)	FlexISO DESFire™	Up to 12" (30 cm)	FlexISO iCLASS®	Up to 12" (30 cm)																							
FlexISO® Card	Up to 12" (30 cm)																																								
FlexISO XT Card	Up to 12" (30 cm)																																								
FlexCard®	Up to 12" (30 cm)																																								
FlexTag™	Up to 7" (17 cm)																																								
FlexKey®	Up to 7" (17 cm)																																								
FlexISO MIFARE®	Up to 12" (30 cm)																																								
FlexISO DESFire™	Up to 12" (30 cm)																																								
FlexISO iCLASS®	Up to 12" (30 cm)																																								

\* Includes bezel and core module  
 \*\*Note: Dependent upon installation conditions.

Specifications are subject to change without notice.  
 © 2006 HID Global Corporation. All rights reserved. HID, the HID logo, Indala, ProxSmith, FlexSecur and iCLASS are trademarks or registered trademarks of HID Global in the U.S. and/or other countries. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.  
 MKT-MIDRANGE-DS-EN Rev. 07/06



**ACCESS experience.**

[hidcorp.com](http://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 2  
 Col. Jardines del Moral  
 Leon 37160, Gto.  
 Mexico  
 Tel: +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