PHYSICAL ACCESS SOLUTIONS

Flexsmart® Series Readers



DESFIRE® CUSTOM READER • 6077
ISO 14443A CONTACTLESS SMART CARD SERIES

- **Custom Configurations –** The reader is completely configurable for every access control application challenge.
- **Open Architecture Design –** ISO 14443A compatible for card interoperability.
- **Read Flexibility –** Reads data from any DESFire application file on the card.
- **Data Security –** Secure data transactions with Triple DES encryption.
- **Lifetime Warranty** on HID Cards and Readers.

The HID FlexSmart DESFire Custom Reader is a new, flexible, highly secure and stylish contactless smart card reader ideal for customers that require a customizable reader for new or existing installations.

The HID FlexSmart DESFire Custom Reader offers the ultimate choice in interoperability and programmability. The reader provides unique capabilities, such as reading any DESFire application data file or CSN (card serial number) to meet all your installation requirements. With the ability to read any DESFire application file, this reader can be configured to read any third-party formatted cards or to develop a custom format for a new application. Designed for a wide variety of applications from entry level access control to secure ID management, the reader is completely configurable for every access control application challenge.

DESFire Advantages

The HID FlexSmart DESFire Custom Reader is compatible with the DESFire protocol, which provides a high level of security, fast read transaction speeds and a flexible (dynamic) file structure. DESFire provides mutual authentication, Triple DES data encryption and can read up to 28 stored applications per card.

Note: To configure your requirements for the HID FlexSmart DESFire Custom Reader, please refer to the HID “How To Order Guide” and product worksheet.

SPECIFICATIONS



	FlexSmart® MIFARE HID Format Secure Reader	FlexSmart MIFARE Custom Reader	FlexSmart DESFire® Custom Reader
Model Number	6075	6076 (formerly Indala MX200)	6077 (formerly Indala DX200)
***Read Range**	Up to 2.0" (5.08 cm)		
Mounting	Door mullion or single-gang electrical box		
Dimensions	4.30" H x 1.5" W x 0.72" T (10.9 x 3.8 x 1.8 cm)		
Weight	4 oz. (113 g)		
Style	Slim or Wallswitch		
Read / Write	Read-Only		
Secure Sectors / Files	Sector One	All Sectors	All Files
Formats	HID Only	Custom	Custom
CSN	Yes		
Custom Keys/ Formats	No	Yes	Yes
Audio/Visual	Default state: Beeper on, LED normally red, reader flashes green on card read**		
Power Supply	9-16 VDC (reverse current protected); Linear supply recommended		
Current Requirements	15mA /75mA @ 12 VDC; Linear power supply recommended.		
Operating Temperature	-13° to 131° F (-25° to 55° C)		
Operating Humidity	0-95% relative humidity non-condensing		
Transmit Frequency	13.56 MHz		
Cable Distance	Wiegand interface: 500 feet (150 m) 22 AWG; 6 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for connection of all outputs.		
Card Compatibility	· HID MIFARE Cards · HID MIFARE key fobs & tags · HID Proximity and MIFARE Cards (dual technology: MIFARE and HID 125 kHz proximity) · Any Philips compatible MIFARE 1k or MIFARE 4k bytes Cards (ISO 14443, Type A)	· HID or Indala MIFARE Cards · HID or Indala MIFARE key fobs & tags · HID or Indala Proximity and MIFARE Cards (dual technology: MIFARE and HID 125 kHz proximity) · Any Philips compatible MIFARE 1k or MIFARE 4k bytes Cards (ISO 14443, Type A)	· HID or Indala DESFire Cards · HID or Indala DESFire key fobs & tags · HID or Indala Proximity and DESFire Cards (dual technology: DESFire and HID 125 kHz proximity) · Any Philips compatible DESFire 4k bytes Cards (ISO 14443, Type A)
Certifications	UL 294/cUL (Pending), FCC Certification, United States, Canada Certification, CE Mark, Europe, Australia C-Tick, New Zealand EMC		
Housing Material	Polycarbonate UL 94		
Warranty	Warrantied against defects in materials and workmanship for life (see complete warranty policy for details).		

**Dependent upon installation conditions.*
***Consult "How to Order Guide" for other configuration options.*

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2011-10-18-hid-flexsmart-6077-reader-series-ds-en