

# FlexSmart® Series Readers

## MIFARE® HID Format Secure Keypad Reader • 6071

ISO 14443A Contactless Smart Card Series



**ACCESS** interoperability.

### Key Features

- ▶ Durable Keypad - Ideal for high traffic areas.
- ▶ Installation Simplicity - All keys and formats are preconfigured, making installations easy.
- ▶ Multiple Format Solutions - Choose from a variety of HID formats: OEM, Corporate 1000 or 26-Bit.
- ▶ Complete Flexibility - Complete flexibility to read HID Sector formats and/or CSN.
- ▶ Security Management - HID manages all reader and card security for you.
- ▶ Excellent Reader Value
- ▶ Lifetime Warranty on HID Cards and Readers.

The FlexSmart MIFARE HID Format Secure Keypad Reader provides the ideal solution for customers that are seeking MIFARE technology for new installations or for existing HID applications. Whether you require HID Sector formats or CSN (card serial number) read capability, the reader is preconfigured for ease of installation. Combine a contactless card presentation with a personal identification number (PIN) to support dual authentication of identity.

The reader is compatible with HID's 6055B MIFARE reader (read-only) or the 6074A reader (read-only) and can be integrated into an existing system. With configuration capability of audio/visual and CSN outputs, the reader offers complete reader security management for customers that want a simple "out-of-the-box" solution.

### MIFARE Advantages

The HID FlexSmart MIFARE Format Secure Keypad Reader is preconfigured to read any HID formatted data within a secured MIFARE card sector. The reader complies with the requirements of ISO 14443A interoperability standards and is a perfect choice for standard encrypted ID, data storage solutions and multiple applications.

# Features

**Mounting** The reader mounts on a door mullion or single-gang electrical box for easy installation. A red LED flashes green and the beeper sounds when reader is presented with a MIFARE® card. The multicolor LED and beeper can also be controlled by the host system.

**Keypad** Twelve aluminum keys combine durability with vandal resistance, suitable for high traffic areas. Raised tactile mark on "5" key for visually impaired users.

**Diagnostics** On reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper and initializes reader operation.

**Durable** Sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, the reader provides reliable performance and a high degree of vandal resistance.

The reader is capable of outputting in either Wiegand or Clock & Data (magnetic stripe) formatted data.

## Security

MIFARE 48-bit read and write keys are extremely secure. Unique key pairs may be defined for each sector. Readers and cards must have matching keys. All RF data transmission between the card and reader is encrypted.

## Options

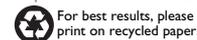
Colors: Black  
 Selectable Output Formats  
 Custom label  
 Field Programmer  
 (Please see "How to Order Guide" for a description of the options and associated part numbers)

	FlexSmart® MIFARE HID Format Secure Keypad Reader	FlexSmart MIFARE Custom Keypad Reader	FlexSmart DESFire® Custom Keypad Reader
<b>Model Numbers</b>	6071	6072	6073
<b>*Read Range</b>	Up to 2.0" (5.08 cm)		
<b>Mounting</b>	Single-gang electrical box		
<b>Dimensions</b>	4.7"H x 2.9"W x 1.1"T (11.9 cm x 7.4 cm x 2.8 cm)		
<b>Weight</b>	12 oz. (340 g)		
<b>Style</b>	Wallswitch		
<b>Read / Write</b>	Read-Only		
<b>Secure Sectors / Files</b>	Sector One	All Sectors	All Files
<b>Formats</b>	HID Only	Custom	Custom
<b>CSN</b>	Yes		
<b>Custom Keys/ Formats</b>	No	Yes	Yes
<b>Audio/Visual</b>	Default state: Beeper on, LED normally red, reader flashes green on card read**		
<b>Power Supply</b>	9-16VDC (reverse current protected); Linear supply recommended		
<b>Current Requirements</b>	25mA /100mA @ 12VDC; Linear power supply recommended.		
<b>Operating Temperature</b>	-13° to 131° F (-25° to 55° C )		
<b>Operating Humidity</b>	0-95% relative humidity non-condensing		
<b>Transmit Frequency</b>	13.56 MHz		
<b>Cable Distance</b>	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.		
<b>Card Compatibility</b>	<ul style="list-style-type: none"> <li>· HID MIFARE Cards</li> <li>· HID MIFARE key fobs &amp; tags</li> <li>· HID Proximity and MIFARE Cards (dual technology: MIFARE and HID 125 kHz proximity)</li> <li>· Any Philips compatible MIFARE 1k or MIFARE 4k bytes Cards (ISO 14443, Type A)</li> </ul>	<ul style="list-style-type: none"> <li>· HID or Indala MIFARE Cards</li> <li>· HID or Indala MIFARE key fobs &amp; tags</li> <li>· HID or Indala Proximity and MIFARE Cards (dual technology: MIFARE and HID or Indala 125 kHz proximity)</li> <li>· Any Philips compatible MIFARE 1k or MIFARE 4k bytes Cards (ISO 14443, Type A)</li> </ul>	<ul style="list-style-type: none"> <li>· HID or Indala DESFire Cards</li> <li>· HID or Indala DESFire key fobs &amp; tags</li> <li>· HID or Indala Proximity and DESFire Cards (dual technology: DESFire and HID 125 kHz proximity)</li> <li>· Any Philips compatible DESFire 4k bytes Cards (ISO 14443, Type A)</li> </ul>
<b>Certifications</b>	UL 294/cUL (Pending), FCC Certification, United States, Canada Certification, CE Mark, Europe, Australia C-Tick, New Zealand EMC		
<b>Housing Material</b>	Polycarbonate UL 94		
<b>Warranty</b>	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.

© 2007 HID Global Corporation. All rights reserved. HID, the HID logo, and FlexSmart 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. Rev. 1/2007



For best results, please print on recycled paper.

MKT-6071-DS-EN

hidcorp.com



**ACCESS experience.**

### 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  
 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