

MULTI-TECHNOLOGY



TRANSITION SOLUTION

# Multi-Technology

13.56 MHz Contactless and 125 kHz Proximity Cards and Readers  
13.56 MHz MIFARE® and DESFire® Contactless Cards and Readers



ACCESS SECURE IDENTITY



HID Global is focused on creating customer value as the trusted source for products, services and know-how related to the delivery of secure identity.

# multiCLASS®

13.56 MHz Contactless, 125 kHz Proximity and Magnetic Stripe Cards and Readers



With our unique card technology read selection feature, customers have endless card management flexibility, with security and simplicity. The multiCLASS® reader is the ultimate migration tool.

multiCLASS multi-technology card readers combine 125 kHz proximity, magnetic stripe technology and iCLASS 13.56 MHz contactless smart card and reader technologies into a single reader. They are designed for customers who are upgrading their current card system from 125 kHz HID, Indala or AWID Prox and magnetic stripe to HID iCLASS credentials or cards. Readers can also read ISO 14443A MIFARE/DESFire CSN's, FeliCa IDm's and FIPS 201 credential formats. The multiCLASS line provides a clear multi-technology migration path for the large installed bases of HID, Indala, AWID and magnetic stripe customers.

All multiCLASS access control readers have been approved by U.S. General Services Administration (GSA) as Transparent Contactless Readers for their FIPS 201 Approved Products List, allowing an agency's access control system to function properly during the transition from current card technology to the new FIPS 201 card requirements.

Recognized and honored by Access Control & Security Systems magazine as one of the Top 20 new products for 2006, the RP40 multiCLASS card reader reflects the highest level technology innovation in the security industry. multiCLASS comes with a lifetime warranty, and is now available from HID's network of distributors, OEMs, and system integrators worldwide. Only the RP40 provides true iCLASS security, the ease of Prox (HID Prox, Indala Proximity or AWID), the power of smart cards and the confidence of choosing HID, the worldwide leader in access control.

# multiCLASS<sup>®</sup> Readers

## multiCLASS<sup>®</sup> RP15 Reader

Smart Card Reader

Base Part Number • 6145, 6143, 6144

- Simple Migration from the most popular proximity technologies to iCLASS<sup>®</sup>
- Slim design is perfect for metal mullions or any other space-limited installation
- Provides Wiegand or Clock-and-Data output
- Low Voltage and Current Consumption (5-16 VDC @ <100 mA)
- Reads 13.56 MHz: HID iCLASS, ISO 15693 CSN, ISO 14443A (MIFARE) CSN, ISO 14443B CSN, FeliCa IDm\*, and FIPS 201; Reads 125KHz: HID Prox and AWID, Indala or EM4102 Proximity
- Pigtail only
- Dimensions: 6.1" x 1.9" x 0.9" (15.3 cm x 4.8 cm x 2.3 cm)
- Read Range: iCLASS up to 3.5" (9.0 cm), HID Prox up to 4.0" (10.0 cm)\*\*



(Black, Gray)



## multiCLASS<sup>®</sup> RP40 Reader

Smart Card Reader

Base Part Number • 6125, 6123, 6124

- Simple migration from the most popular proximity technologies to iCLASS
- US/EU/Asian Back Box Size
- Provides Wiegand or Clock-and-Data output
- Low Voltage and Current Consumption (5-16 VDC @ <100 mA)
- Reads 13.56 MHz: HID iCLASS, ISO 15693 CSN, ISO 14443A (MIFARE) CSN, ISO 14443B CSN, FeliCa IDm\*, and FIPS 201; Reads 125KHz: HID Prox and AWID, Indala or EM4102 Proximity
- Pigtail only
- Dimensions: 4.8" x 3.3" x 1.0" (12.2 x 8.4 x 2.4 cm)
- Read Range: iCLASS up to 4.25" (11.0 cm), HID Prox up to 4.0" (10.0 cm)\*\*



(Black, Gray)



**multiCLASS multi-technology card readers are** designed for customers upgrading their current card system from HID Prox to iCLASS<sup>®</sup> credentials. With the multiCLASS readers, the customer has the ability to transition to smart cards over time while incorporating the use of multiple card technologies within a single building or across multiple facilities.

## multiCLASS<sup>®</sup> RPK40 Reader

Smart Card Keypad Reader

Base Part Number • 6136, 6133, 6134z

- Simple migration from the most popular proximity technologies to iCLASS
- US/EU/Asian Back Box Size
- Dual factor authentication with keypad
- Low Voltage and Current Consumption (5-16 VDC @ <100 mA)
- Reads 13.56 MHz: HID iCLASS, ISO 15693 CSN, ISO 14443A (MIFARE) CSN, ISO 14443B CSN, FeliCa IDm\*, and FIPS 201; Reads 125KHz: HID Prox and AWID, Indala or EM4102 Proximity
- Pigtail only
- Dimensions: 4.8" x 3.3" x 1.1" (12.2 x 8.4 x 2.8 cm)
- Read Range: iCLASS up to 4.25" (11.0 cm), HID Prox up to 4.0" (10.0 cm)\*\*



(Black, Gray)



\* FeliCa requires multiCLASS Transit Reader.

\*\* Dependent upon installation conditions and credential type

# Did You Know?

## Simple Upgrade Installation:

Installing HID Prox to iCLASS upgrades are simple because the multiCLASS readers have the same wiring connections, same low-current consumption, and same 5 or 12 volt operation as Prox.



**RP15**



**RP40**



**RPK40**

	RP15	RP40	RPK40
<b>Base Model Number</b>	6145/6143/6144	6125/6123/6124	6136/6133/6134
<b>Dimensions</b>	6.0" x 1.9" x 0.9" (15.3 cm x 4.8 cm x 2.3 cm)	4.8" x 3.3" x 1.0" (12.2 cm x 8.4 cm x 2.5 cm)	4.8" x 3.3" x 1.1" (12.2 cm x 8.4 cm x 2.8 cm)
<b>Weight</b>	5.9 oz (166 g)	8.8 oz (250 g)	9.1 oz (258 g)
<b>Read Range</b>	<b>iCLASS:</b> Up to 3.5" (9.0 cm) <b>HID Prox:</b> Up to 4.0" (10.0 cm) <b>Indala Prox:</b> Up to 2.25" (5.5 cm)	<b>iCLASS:</b> Up to 4.25" (11.0 cm) <b>HID Prox:</b> Up to 4.0" (10.0 cm) <b>Indala Prox:</b> Up to 2.25" (5.5 cm)	
<b>Mounting</b>	Mullion, Fits footprint of HID MiniProx reader.	U.S./EU/Asian back box	
<b>Power Supply</b>	5-16 VDC, Linear supply recommended		
<b>Current Requirements*</b>	55/93 mA	55/123 mA	85/169 mA
<b>Termination</b>	Pigtail		
<b>Output Formats</b>	Wiegand, Clock-and-Data		
<b>FIPS 201 Certification</b>	Yes		
<b>Tamper</b>	Optical		
<b>Indoor/Outdoor</b>	Both		
<b>Additional Technologies</b>	125 kHz: Reads HID Prox / AWID or Indala or EM4102		
<b>Warranty</b>	Lifetime		

\* Add 25 mA when configured with HID Prox. Add 40 mA when configured with Indala Proximity.

# multiCLASS<sup>®</sup> Magstripe Readers

## multiCLASS RMK40 Reader

### Smart Card Magstripe Keypad Reader

#### Base Part Number - 6230, 6238

- Simple migration from magnetic stripe technology to iCLASS
- US Double Gang Back Box Size
- Dual factor authentication with keypad
- Low Voltage and Current Consumption (5-16VDC @ < 100 mA)
- Reads 13.56 MHz: HID iCLASS, ISO 15693 CSN, ISO 14443A (MIFARE) CSN, ISO 14443B CSN; Reads Track 1 or 2 Magnetic Stripe Data
- Pigtail or terminal strip
- Dimensions: 4.81" x 4.47" x 1.15" (12.2 cm x 11.4 cm x 2.9 cm)
- Read Range: iCLASS up to 4.0" (10.2 cm)
- Magnetic Stripe Output: All bits Wiegand or Clock-and-Data

Available in North America Only



Available in Black



## multiCLASS RMPK40 Reader

### Smart Card Magstripe Keypad Reader

#### Base Part Number - 6236, 6233

- Simple migration from popular proximity and magnetic stripe technologies to iCLASS
- US Back Box Size
- Dual factor authentication with keypad
- Low Voltage and Current Consumption (5-16VDC @ < 100 mA)
- Reads 13.56 MHz: HID iCLASS, ISO 15693 CSN, ISO 14443A (MIFARE) CSN, ISO 14443B CSN; Reads 125KHz: HID Prox and AWID; Reads Track 1 or 2 Magnetic Stripe Data
- Pigtail or terminal strip
- Dimensions: 4.81" x 4.47" x 1.15" (12.2 cm x 11.4 cm x 2.9 cm)
- Read Range: iCLASS up to 4.0" (10.2 cm), HID Prox up to 3.75" (9.5 cm)
- Magnetic Stripe Output: All bits Wiegand or Clock-and-Data

Available in North America Only



Available in Black





**RMK40**



**RMPK40**

<b>Part Numbers</b>	6230C / 6238C	6236C / 6233C
<b>Dimensions</b>	4.81" x 4.47" x 1.15" (12.2 cm x 11.4 cm x 2.9 cm)	4.81" x 4.47" x 1.15" (12.2 cm x 11.4 cm x 2.9 cm)
<b>Weight</b>	9.7 oz (275 g)	
<b>Read Range</b>	iCLASS: Up to 4.0" (10.2 cm)	iCLASS: Up to 4.0" (10.2 cm) HID Prox: Up to 3.75" (9.5 cm)
<b>Magnetic Card Speed and Track</b>	8 to 50 inches per second, Track 1 or 2	
<b>Mounting</b>	U.S. back box. Mounting plate with built in vertical swipe magnetic reader.	
<b>Power Supply</b>	5-16 VDC, Linear supply recommended	
<b>Power Requirements</b>	110 mA / 169 mA @ 12 VDC	110 mA / 169 mA @ 12 VDC
<b>Termination</b>	Pigtail or Terminal Strip	
<b>Output Formats</b>	All bits Wiegand or Clock-and-Data	
<b>FIPS 201 Certification</b>	No	
<b>Tamper</b>	Optical	
<b>Indoor / Outdoor</b>	Both	
<b>Additional Technologies</b>	Reads Magnetic Stripe Credentials	Reads HID Prox and AWID Reads Magnetic Stripe Credentials
<b>Warranty</b>	2 Years	

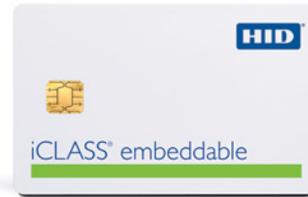
# Multi-Technology Credentials

## **iCLASS® Embeddable Card**

**13.56 MHz Contactless Smart Card**

**Base Part Number • 201<sup>1</sup>**

- Designed to be embedded with an optional contact smart chip module of your choice
- Enables contact smart chip applications to be added to iCLASS cards in a single ISO standard thickness card
- Offers the ability to add a magnetic stripe, barcode, anti-counterfeiting feature, custom artwork, or photo ID
- Meets ISO standards for thickness for use with direct image and thermal transfer printers



## **iCLASS® Prox Card**

**13.56 MHz Contactless Smart Card**

**and 125 kHz Proximity Card**

**Base Part Number • 202**

- 13.56 MHz iCLASS read/write technology and 125 kHz proximity technology in a single ISO standard thickness card
- Enables contactless smart card applications to be added to an existing proximity technology access control system
- Offers the ability to add a magnetic stripe, barcode, anti-counterfeiting feature, custom artwork, or photo ID
- Meets ISO standards for thickness for use with direct image and thermal transfer printers



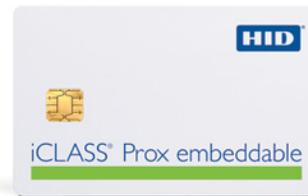
## **iCLASS® Prox Embeddable Card**

**13.56 MHz Contactless Smart Card**

**with 125 kHz Proximity**

**Base Part Number • 203**

- Designed to be embedded with an optional contact smart chip module of your choice
- Enables contact smart chip applications to be added to iCLASS cards in a single ISO standard thickness card
- Offers the ability to add a magnetic stripe, barcode, anti-counterfeiting feature, custom artwork, or photo ID
- Meets ISO standards for thickness for use with direct image and thermal transfer printers
- Optional Contact Smart Chip Module



## **iCLASS® Wiegand Card**

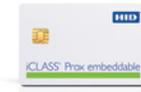
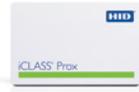
**13.56 MHz Contactless Smart Card**

**and Wiegand Technology**

**Base Part Number • 204**

- Offers a one-card solution combining iCLASS and Wiegand technologies
- Ideal for companies transitioning from Wiegand technology to an HID iCLASS-based system
- Offers the ability to add a magnetic stripe, barcode, anti-counterfeiting feature, custom artwork, or photo ID
- Card thickness is suitable for use with all Wiegand readers, and most direct image printers and magnetic stripe readers (nominal thickness .037")
- Optional magnetic stripe





	<b>iCLASS® Card Embeddable</b>	<b>iCLASS® Prox</b>	<b>iCLASS® Prox Embeddable</b>	<b>iCLASS® Wiegand</b>
<b>Base Part Number</b>	201X/211X	202X/212X	203X/213X	204X
<b>Read Range: *</b>				
<b>R10/RW100</b>	Up to 3.25" (8.0 cm)			Up to 3.0" (7.5 cm)
<b>R30/RW300</b>	Up to 4.0" (10.0 cm)			Up to 3.0" (7.5 cm)
<b>R40/RW400</b>	Up to 4.25" (11.0 cm)			Up to 4.5" (11.5 cm)
<b>RK40/RK400</b>	Up to 3.5" (9.0 cm)			Up to 2.5" (6.5 cm)
<b>Memory Size/ Application Areas</b>	2k bits with two application areas; 16k bits with two application areas (16k/2); 16k bits with 16 application areas (16k/16); 32k bits (16k/2+16k/1); 32k bits (16k/16+16k/1)			
<b>HID Proximity 125 kHz</b>	No	Yes		No
<b>Contact Smart Chip Module Embeddable</b>	Yes**	No	Yes**	No
<b>Wiegand Strip</b>	No			Yes
<b>Magnetic Stripe</b>	Optional			
<b>Printable ***</b>	Yes			
<b>Standard HID Artwork</b>	Optional			
<b>Slot Punch</b>	Vertical Optional			Horizontal or Vertical Optional
<b>Visual Security Options</b>	Yes			
<b>Additional Security Options</b>	Corp 1000, iCLASS Elite			
<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.

# HID Global

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