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

An ASSA ABLOY Group brand

ASSA ABLOY

HID 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®

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® Readers

multiCLASS® RP15 Reader

Smart Card Reader

Base Part Number • 6145, 6143, 6144

- Simple Migration from the most popular proximity technologies to iCLASS®
- 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® 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)

PROX BY HID + *iCLASS by HID*

multiCLASS multi-technology card readers are designed for customers upgrading their current card system from HID Prox to iCLASS® 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® 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
Base Model Number	6145/6143/6144	6125/6123/6124	6136/6133/6134
Dimensions	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)
Weight	5.9 oz (166 g)	8.8 oz (250 g)	9.1 oz (258 g)
Read Range	**iCLASS:** Up to 3.5″ (9.0 cm) **HID Prox:** Up to 4.0″ (10.0 cm) **Indala Prox:** Up to 2.25″ (5.5 cm)	**iCLASS:** Up to 4.25″ (11.0 cm) **HID Prox:** Up to 4.0″ (10.0 cm) **Indala Prox:** Up to 2.25″ (5.5 cm)	
Mounting	Mullion, Fits footprint of HID MiniProx reader.	U.S./EU/Asian back box	
Power Supply	5-16 VDC, Linear supply recommended		
Current Requirements*	55/93 mA	55/123 mA	85/169 mA
Termination	Pigtail		
Output Formats	Wiegand, Clock-and-Data		
FIPS 201 Certification	Yes		
Tamper	Optical		
Indoor/Outdoor	Both		
Additional Technologies	125 kHz: Reads HID Prox / AWID or Indala or EM4102		
Warranty	Lifetime		

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

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

Multi-Technology Credentials

iCLASS® Embeddable Card
13.56 MHz Contactless Smart Card
Base Part Number • 201[1]
- 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
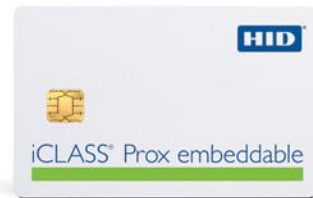
iCLASS® Prox Embeddable Card
13.56 MHz Contactless Smart Card
with 125 kHz Proximity
Base Part Number • 203
- Designed to be embedded with an optional contact smart chip module of your choice
- Enables contact smart chip applications to be added to iCLASS cards in a single ISO standard thickness card
- 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

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

CORPORATE OFFICES

North America
15370 Barranca Parkway
Irvine, CA 92618
Tel: 1 800 237 7769
Tel: +1 949 732 2000
Fax: +1 949 732 2360

REGIONAL HEADQUARTERS

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

Europe, Middle East & Africa
Haverhill Business Park
Phoenix Road
Haverhill, Suffolk
CB9 7AE England
Tel: +44 1440 714 850
Fax: +44 1440 714 840

Am Klingenweg 6a
65396 Walluf
Germany
Tel: +49 6123 791 0
Fax: +49 6123 791 199

Latin America
Circunvalación Ote.
No. 201B Despacho 3
Col. Jardines del Moral
Leon 37160, Mexico
Tel: +52 477 779 1492
Fax: +52 477 779 1493

iCLASS *by* **HID**

50% Recycled
25% Post Consumer Waste

ACCESS SECURE IDENTITY

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