

multiCLASS™

13.56 MHz Contactless and 125 kHz Proximity 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 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 from HID Prox, Indala Proximity or AWID 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 and AWID 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 or Indala 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 or Indala 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® 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 or Indala 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
Base Model Number	6145A/6143A/6144A	6125B/6123B/6124B	6136A/6133A/6134A
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	Reads HID Prox and AWID or Indala Proximity		
Warranty	Lifetime		

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

Multi-Technology Credentials

iCLASS® Embeddable Card

13.56 MHz Contactless Smart Card

Base Part Number • 201¹

- 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



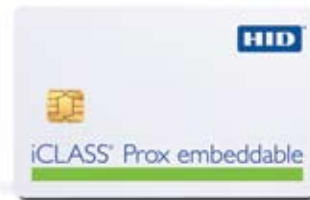
iCLASS® Prox Embeddable Card

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.