

## multiCLASS™ RPI5, RP40 and RPK40 Readers

13.56 MHz Contactless and 125 kHz Proximity Card Readers • 6125, 6136, 6145

- ▶ **Simple Migration** – From the most popular proximity technologies to iCLASS®.
- ▶ **GSA-approved** – Included in the U.S. General Services Administration (GSA) FIPS 201 Approved Products List.
- ▶ **Dual Factor Authentication (RPK40 only)** – Combine contactless card presentation with a PIN.



### ACCESS upgrade.

**The multiCLASS™ family of card readers** is designed for customers upgrading their current card system from the most popular proximity technologies to iCLASS® credentials. With the RP40, RPK40 and RPI5 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.

The multiCLASS reader line provides enhanced security through mutual authentication and data encryption. HID, Indala and other popular proximity technologies are supported by multiCLASS. Save on system configuration costs by keeping system upgrade simple. Whether reading proximity, iCLASS or multi-technology cards, identical user identification data formats are sent to the panel. Unlike competitor products, HID multiCLASS readers support all HID and Indala Proximity formats, including Corporate 1000, long and FlexSecur.

Only the multiCLASS family of products provides true iCLASS security, the ease of proximity technology, the power of smart cards and the confidence of choosing HID, the worldwide leader in access control.

#### Unique Read Selection

- ▶ Enable iCLASS, proximity or both technologies at the same time.
- ▶ Multiple data outputs available when multi-technology card is presented depending on preference.
- ▶ Configuration cards configure the reader to custom installation requirements.
- ▶ Reads: 125 kHz – HID, Indala or AWID Proximity  
13.56 MHz – iCLASS, ISO 15693 CSN (MyD, ICODE, Tag-it), ISO 14443A CSN (MIFARE® DESFire®), US Government PIV, ISO 14443B CSN, FeliCa™ IDm, CEPAS CAN or CSN

#### Seamless Upgrade

- ▶ Same HID and Indala Proximity reader features and format compatibilities.
- ▶ Matching Reader and Credential formats for EM4102 and iCLASS.
- ▶ Same wiring, power and interface as many popular proximity readers in the market today.
- ▶ All Corporate 1000 formats can be migrated.
- ▶ For additional security, our iCLASS Elite program is available with iCLASS credentials.
- ▶ Wiegand or Clock-and-Data outputs easily interface with existing access control panels.
- ▶ The RPK40 combines a contactless card presentation with a personal identification number (PIN) to support dual factor authentication of identity.
- ▶ The RPI5 is a million form factor drop-in replacement for the HID MiniProx.

# Features

## Security

64-bit authentication keys are extremely secure. Readers and cards require matching keys to function. All RF data transmission between the card and reader is encrypted, using a secure algorithm. The key management system reduces the risk of compromised data or duplicated cards.

## Elite Custom Keys

Custom keys provide the highest level of security, where cards and readers are uniquely matched to individual sites or customers, and are non-interchangeable. Combining Elite custom keys with our Corporate 1000 can offer companies a scalable solution that can be implemented in facilities worldwide.

## Audiovisual Indication

Audio sounder provides various tone sequences to signify access granted, access denied, power up and diagnostics. Visually impaired cardholders can easily distinguish between access granted and access denied. A high-intensity light bar provides a clear visual status indication in red, green or amber, even in bright sunlight. (Note: Light bar will illuminate amber when a PIV/FIPS 201 card is read.)

## Easily Interfaced

The reader's Wiegand output easily interfaces with most existing Wiegand protocol access control panels. The reader reads standard HID format data and will output data as encoded. When reading MIFARE® cards, the reader can be configured to output 26-bit, 32-bit, 34-bit, 37-bit, 40-bit, or 56-bit Wiegand formats, based on the card serial number.

## Indoor/Outdoor Design

Rugged, weatherized polycarbonate enclosure, designed to withstand harsh environments, provides reliable performance and resistance to vandalism. A tamper switch in reader housing facilitates the notification of a tamper alarm.

## Options

Colors - Black or Gray  
Key Management - Standard or Elite  
Selectable Output Type (for MIFARE cards)  
Termination Options: 18" (46 cm) Pigtail  
Programmable LED/Beeper operation  
Accessory - Security Tool; 04-0001-03  
Prox - HID and AWID or Indala  
Transit - Enable FeliCa IDm

### RP40 multiCLASS™ Reader

### RPK40 multiCLASS™ Reader with Keypad

### RP15 multiCLASS™ Mullion-mount Reader

<b>*Model Number</b>	6125C (Wiegand) 6123C (Clock-and-Data) 6124C (Transit)	6136C (Wiegand) 6133C (Clock-and-Data) 6134C (Transit)	6145C (Wiegand) 6143C (Clock-and-Data) 6144C (Transit)
<b>**Read Range</b>	iCLASS Card: 4.0 - 4.5" (10.2 - 11.4 cm) iCLASS Key/Tag: 1.0 - 2.0" (2.5 - 5.0 cm) HID Prox ISO Card: 2.5 - 3.5" (6.5 - 9.0 cm) HID Prox Clamshell Card: 3.5 - 4.0" (9.0 - 10.0 cm) HID Prox Keyfob/Tag: 1.0 - 2.25" (2.5 - 5.5 cm) Indala Proximity ISO Card: 1.5 - 2.0" (4.0 - 5.0 cm) Indala Proximity Clamshell Card: 1.75 - 2.25" (4.5 - 5.5 cm) Indala Proximity Keyfob/Tag: 1.0 - 1.75" (2.5 - 4.5 cm)	iCLASS Card: 3.5 - 4.25" (9.0 - 11.0 cm) iCLASS Key/Tag: 1.0 - 1.5" (2.5 - 4.0 cm) HID Prox ISO Card: 2.5 - 3.5" (6.5 - 9.0 cm) HID Prox Clamshell Card: 3.5 - 4.0" (9.0 - 10.0 cm) HID Prox Keyfob/Tag: 1.25 - 1.75" (3.2 - 4.5 cm) Indala Proximity ISO Card: 1.5 - 2.0" (4.0 - 5.0 cm) Indala Proximity Clamshell Card: 1.75 - 2.25" (4.5 - 5.5 cm) Indala Proximity Keyfob/Tag: 1.0 - 1.25" (2.5 - 3.2 cm)	iCLASS Card 3.0 - 3.25" (7.5 - 8.3 cm) iCLASS Key/Tag: 1.0 - 1.5" (2.5 - 4.0 cm) HID Prox ISO Card: 2.5 - 3.5" (6.5 - 9.0 cm) HID Prox Clamshell Card: 3.5 - 4.0" (9.0 - 10.0 cm) HID Prox Keyfob/Tag: 1.25 - 1.75" (3.2 - 4.5 cm) Indala Proximity ISO Card: 1.5 - 2.0" (4.0 - 5.0 cm) Indala Proximity Clamshell Card: 1.75 - 2.25" (4.5 - 5.5 cm) Indala Proximity Keyfob/Tag: 1.0 - 1.25" (2.5 - 3.2 cm)
<b>Mounting</b>	A three-part reader makes installation easier. Mounting plate attaches to U.S./EU/Asian back box, 52-60 mm screw hole spacing (vertical or horizontal), or to any flat surface. Reader body fits onto mounting plate. Cover fits over reader body, secured with a screw. An auto-tuning circuit provides consistent read ranges on various mounting surfaces with minimal reduction on metal surfaces.	Mounting plate attaches to U.S./EU/Asian back box, 52-60 mm screw holespacing (vertical or horizontal). Keypad reader housing latches onto mounting plate, secured with a screw. An optional spacer can be used for surface mount installations. Mounting on metal can affect optimal read range and we recommend the use of our spacer to maximize read range.	Mounting plate attaches to mullion, door frame, U.S. single-gang J-box or any flat surface. (Reader will not cover junction box.) Reader body snaps onto mounting plate, secured with a screw. Identical mounting holes as the HID MiniProx.
<b>Dimensions</b>	3.3" x 4.8" x .95" (8.4 cm x 12.2 cm x 2.4 cm)	3.3" x 4.8" x 1.05" (8.4 cm x 12.2 cm x 2.7 cm)	6.1" x 1.9" x 0.9" (15.6 cm x 4.8 cm x 2.3 cm)
<b>Weight</b>	8.8 oz (249.5 g)	9.1 oz (258 g)	5.9 oz (166 g)
<b>Power Supply</b>	5 to 16 VDC. Linear supply recommended		
<b>*** Current Requirements</b>	55 mA AVG, 141 mA PEAK @ 12 VDC	85 mA AVG, 169 mA PEAK @ 12 VDC	55 mA AVG, 114 mA PEAK @ 12 VDC
<b>Operating Temperature</b>	-31° to 150° F (-35° to 65° C)		
<b>Operating Humidity</b>	5% to 95% relative humidity non-condensing		
<b>Transmit Frequency</b>	125 kHz and 13.56 MHz		
<b>Cable Distance</b>	Wiegand/Clock-and-Data Interface 500 ft (150 m) 22 AWG		
<b>Card Compatibility</b>	<b>125 kHz Proximity</b> • HID or Indala proximity cards, keyfobs, and tags • AWID Credentials • EM4102 Credentials <b>13.56 MHz contactless smart cards</b> • ISO 15693 - read only; 2k bit (256 Byte), 16k bit (2k Byte) and 32k bit (4k Byte) iCLASS Credentials, serial number • ISO 14443A - read only; MIFARE and DESFire® (serial number) • ISO 14443B - read only; 2k bit (256 Byte), 2k bit (256 Byte), 16k bit (2k Byte) and 32k bit (4k Byte) iCLASS Credentials, serial number • FeliCa IDm, CEPAS CAN/CSN • US Government (PIV) ****		
<b>Certifications</b>	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRR (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS		
<b>Housing Material</b>	UL94 Polycarbonate		
<b>Environmental</b>	IP55		
<b>Family Model</b>	RP40N-6408-300, RP40D-6408-300, RP15N-6407-300, RP15D-6407-300, 6136AxN, 6136AxD and 6136AxA		
<b>Warranty</b>	Warranted against defects in materials and workmanship for life. (See complete warranty policy for details.)		

\*Consult How to Order Guide for specific ordering instructions.

\*\*Dependent upon installation conditions

\*\*\* Add 25 mA to AVG current when reader is populated with HID Prox module; add 40 mA to AVG current when reader is populated with Indala Prox module.

\*\*\*\* iCLASS RPK40 Revision C readers are not currently approved for FIPS 201 functionality. See iCLASS RPK40 Revision B readers for US Government compliant readers.

© 2010 HID Global Corporation. All rights reserved. HID, the HID Logo, and iCLASS 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. 04/2010

MKT-iCLASS\_RP-SERIES\_C\_DS-EN



## ACCESS experience.

HID Global Offices:

**Corporate North America**  
15370 Barranca Pkwy  
Irvine, CA 92618  
U.S.A.  
Tel: 1 800 237 7769  
Tel: +1 949 732 2000  
Fax: +1 949 732 2360

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

**Latin America**  
Circunvalación Ote. #201 B  
Despacho 2  
Col. Jardines del Moral  
Leon 37160, Gto.  
Mexico  
Tel: +52 477 779 1492  
Fax: +52 477 779 1493

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