multiCLASS™ RP15, 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®.

▶ **Field Upgradeable** – Utilize firmware upgrade cards to modify reader firmware while installed on site.*

▶ **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.

HID

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 RP15 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, EM4102 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 RP15 is a mullion form factor drop-in replacement for the HID MiniProx.

* Firmware upgrade via card in field only available on RP15 and RP40.

ASSA ABLOY

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, EM4102 or Indala
Enable FeliCa IDm and/or CEPAS CAN/CSN

	RP40 multiCLASS™ Reader	RPK40 multiCLASS™ Reader with Keypad	RP15 multiCLASS™ Mullion-mount Reader
*Model Number	6125C (Wiegand) 6123C (Clock-and-Data) 6124C (Transit)	6136A (Wiegand) 6133A (Clock-and-Data) 6134B (Transit)	6145C (Wiegand) 6143C (Clock-and-Data) 6144C (Transit)
**Read Range	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)
Mounting	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.
Dimensions	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)
Weight	8.8 oz (249.5 g)	9.1 oz (258 g)	5.9 oz (166 g)
Power Supply	5 to 16 VDC. Linear supply recommended		
*** Current Requirements	55 mA AVG, 141 mA PEAK @ 12 VDC	85 mA AVG, 169 mA PEAK @ 12 VDC	55 mA AVG, 114 mA PEAK @ 12 VDC
Operating Temperature	-31° to 150° F (-35° to 65° C)		
Operating Humidity	5% to 95% relative humidity non-condensing		
Transmit Frequency	125 kHz and 13.56 MHz		
Cable Distance	Wiegand/Clock-and-Data Interface 500 ft (150 m) 22 AWG		
Card Compatibility	**125 kHz Proximity** • HID or Indala proximity cards, keyfobs, and tags • AWID Credentials • EM4102 Credentials **13.56 MHz contactless smart cards** • 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** • US Government PIV • FeliCa IDm, CEPAS CAN/CSN****		
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS		
Housing Material	UL94 Polycarbonate		
Environmental	IP55		
Family Model	RP40N-6408-300, RP40D-6408-300, RP15N-6407-300, RP15D-6407-300, 6136AxN, 6136AxD and 6136AxA		
Warranty	Warrantied 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.
****CEPAS CSN/CAN Available only with non Keypad iCLASS Transit Readers.

HID

CDG Computer Peripheral and Supplies Ltd.

244 Soi Pattanakarn 53, Pattanakarn, Suanluang, Bangkok 10250 Thailand
Tel : (66) 0-2322-9535, 0-2722-4040 Fax : (66) 0-2322-7990
www.cps.co.th • www.facebook.com/cps.co.th

@cps.co.th