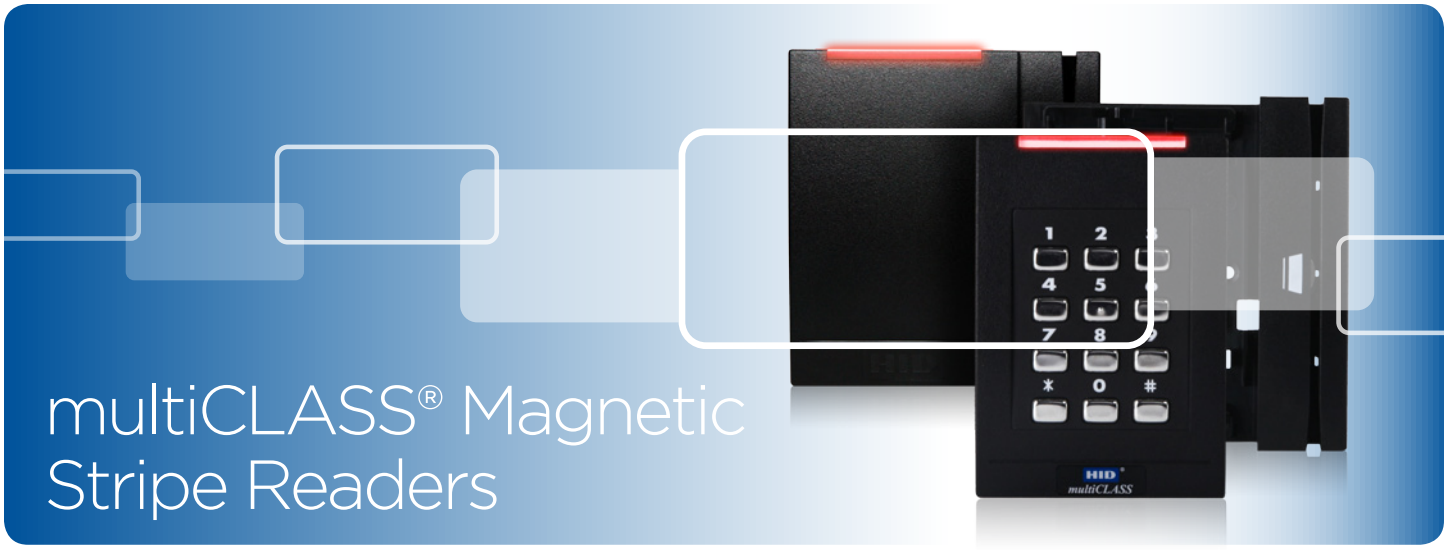

13.56 MHZ CONTACTLESS AND 125 KHZ PROXIMITY CARD READERS

- **Simple Migration** – From legacy magstripe and proximity technologies to 13.56 MHz smart card technology
- **Increased On-site Security** – Replace magstripe backplate with standard backplate for contactless 13.56 MHz-only compatibility after site migration
- **Dual Factor Authentication** – Combine contactless card presentation with a PIN
- **GSA-approved** – Included on the U.S. General Services Administration (GSA) FIPS 201 Approved Products List (APL)

multiCLASS® Magnetic Stripe readers are designed for customers upgrading their current access control card system from the popular magnetic stripe ("magstripe") technology to the enhanced security of 13.56 MHz smart card technology. Supporting access control technology combinations including magnetic stripe, keypad, HID Prox and 13.56 MHz smart card technology (including iCLASS®), the multiCLASS Magnetic Stripe reader line represents the ultimate in flexibility, enabling a cost effective, time-feasible and truly seamless migration solution with no operational disruption.

Migration products without reader and credential components can require large initial capital investments; the multiCLASS Magnetic Stripe reader line features an affordable, standards-based migration path to secure credential technology. By implementing a solution based on multiCLASS Magnetic Stripe readers and HID multi-technology credentials, organizations can integrate the migration into their existing badging programs, supporting a low investment level spread over time for migration to a secure technology across multiple facilities. Organizations switching to the multiCLASS reader's enhanced security can also increase convenience and draw more return on credential investment by adding applications enabled by a single card.

The removable vertical magnetic stripe reader and contactless 125 kHz support make user interaction with the reader familiar, maintaining operational access throughout the facility and reducing user confusion during migration. Designed for flexibility, the vertical magstripe backplate can be mounted on the left or right side of the core contactless wallswitch reader frame. After a site fully migrates off magstripe cards, users can replace the magstripe backplate with a standard backplate for increased security from contactless 13.56 MHz-only compatibility.

The multiCLASS family of products provides true iCLASS security, the ease of proximity technology, the power of smart cards and the confidence of choosing Genuine HID.

SPECIFICATIONS

	RMK40 multiCLASS Magnetic Stripe Reader with Keypad	RMPK40 multiCLASS Magnetic Stripe Reader with Prox and Keypad	RM40 multiCLASS Magnetic Stripe Reader	RMP40 multiCLASS Magnetic Stripe Reader with Prox
Part Numbers	6230C (Wiegand) 6238C (Clock-and-Data)	6236C (Wiegand) 6233C (Clock-and-Data)	6220C (Wiegand) 6228C (Clock-and-Data)	6225C (Wiegand) 6223C (Clock-and-Data)
Read Range	iCLASS Card: Up to 4.0" (10.2 cm) iCLASS Key/Tag: Up to 1.25" (3.2 cm) MIFARE/DESFire Card (CSN): Up to 2" (5.1 cm)	iCLASS Card: Up to 4.0" (10.2 cm) iCLASS Key/Tag: 1.25" (3.2 cm) MIFARE/DESFire Card (CSN): Up to 1.75" (4.5 cm) HID Prox ISO Card: Up to 3.25" (8.3 cm) HID Prox Clamshell Card: Up to 3.75" (9.5 cm) HID Prox Keyfob/Tag: Up to 1.5" (3.8 cm)	iCLASS Card: Up to 4.75" (12.1 cm) iCLASS Key/Tag: Up to 2.0" (5.1 cm) MIFARE/DESFire Card (CSN): Up to 2.5" (6.4 cm)	iCLASS Card: Up to 4.25" (10.8 cm) iCLASS Key/Tag : Up to 1.5" (3.8 cm) MIFARE/DESFire Card (CSN): Up to 2.0" (5.0 cm) HID Prox ISO Card: Up to 3.25" (8.3 cm) HID Prox Clamshell Card: Up to 3.75" (9.5 cm) HID Prox Keyfob/Tag: Up to 2.0" (5.0 cm)
Mounting	Two-piece plastic cover/electronics and mounting plate. Mounting plate with built in vertical swipe magnetic reader. Magnetic swipe can be mounted on left or right of reader. Mounting plate attaches to U.S. back box, 52-60 mm screw hole spacing (vertical or horizontal), or to any flat surface. Reader cover/electronics secured to mounting plate with security screw. Increase security by replacing mounting plate with built in vertical swipe magnetic reader with a standard mounting plate after magnetic card migration has complete.			
Color	Black			
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 1.05" (12.2 cm x 11.4 cm x 2.7 cm)	
Weight	9.7 oz (275 g)		8.8 oz (250 g)	
Power Supply	5-16 VDC, Linear supply recommended			
Power Requirements	AVG = 110 mA, PEAK = 169 mA @ 12 VDC		AVG = 90 mA, PEAK = 166 mA @ 12 VDC	
	Nominal Wattage = 1.32 W		Nominal Wattage = 1.08 W	
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Transmit Frequency	13.56 MHz	13.56 MHz and 125 kHz	13.56 MHz	13.56 MHz and 125 kHz
13.56 MHz Card Compatibility	iCLASS 15693, Reads Secure HID Access Control Application, All memory sizes ISO 14443A/14443B US Government FIPS-201 (PIV) ISO 14443A (MIFARE® and DESFire®) - serial number, ISO 15693 - serial number, ISO 14443B - serial number			
125 kHz Card Compatibility	N/A	HID Prox and AWID Credentials	N/A	HID Prox and AWID Credentials
Magnetic Card Data Tracks	1 or 2			
Magnetic Card Speed	8 to 50 inches per second			
Magnetic Card Data Output	All bits Wiegand or Clock-and-Data; Various ABA to Wiegand formats; Supports most Dorado formats[1]			
Cable Distance	Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG)			
Termination	Pigtail or Terminal Strip			
Certifications	UL294/cUL[2] (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), iDA (Singapore), RoHS			
Housing Material	UL94 Polycarbonate			
Keypad	Yes (4x3)		No	
Family Model	RMK40C	RMPK40C	RM40C	RMP40C
Warranty	Warrantied against defects in materials and workmanship for 2 years			

[1] See 13.56 MHz How To Order Guide for more details

[2] UL294/cUL certified for Wiegand interface and outdoor use

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