MULTI-TECHNOLOGY

TRANSITION SOLUTION

13.56 MHz Contactless

iCLASS® FIPS 201 Readers

GSA Certified 13.56 MHz and Multi-Technology Contactless Smart Card Readers

- FIPS 201 Compliant
- Multiple form factors available to meet installation and security needs
- On GSA Approved Products List
- Clear indication of credential application processing during read duration

ACCESS interoperability.

HID's government smart card compliant readers are designed for United States government agencies and government contractors adopting contactless smart card technology, featuring FIPS 201 compatibility and industry-leading HID iCLASS®, HID and Indala 125 kHz proximity functionality in the same reader.

US Government Specification Compliance

These versatile HID iCLASS readers meet the latest U.S. Government Smart Card Interoperability Specifications with the ability to read FIPS 201 compliant cards in either low or medium assurance profiles, as defined in the Technical Implementation Guidance Specification. They also read the HID iCLASS and HID 125 kHz proximity card technologies.

Multiple Wiegand Outputs

To ensure compatibility with new and existing access control systems, HID FIPS 201 readers output standard HID iCLASS, HID 125 kHz proximity, most other popular proximity technologies and any combination of Card Holder Unique Identifier (CHUID) data options on FIPS 201 compliant cards in multiple Wiegand output configurations. A Wiegand line supervision function provides 24-hour monitoring of data lines between the reader and access control system.

Field Upgradeable

With HID's unique field upgradeable firmware architecture, the configuration and firmware of FIPS 201 compliant readers can be changed in the field and upgraded after installation to ensure compliance with government specifications as they are implemented over time.

Identity Authentication

For increased security access control applications, the RK40 and RPK40 FIPS 201 compliant reader with keypad provide an additional level of cardholder identity verification. Personal identification numbers (PINs) are entered on a 12-position weatherproof keypad with discrete switches, vandal-resistant metal keycaps and backlit numbering.

ISO Standards

- 14443A – read only; FIPS 201 compliant credentials, DESFire® (FASC-N) and other card CSN
- 14443B – read only; FIPS 201 compliant credentials, 2k bit (256 Byte), 16k bit (2k Byte) and 32k bit (4k Byte) iCLASS credentials and other card CSN
- 15693 – read only; 2k bit (256 Byte), 16k bit (2k Byte) and 32k bit (4k Byte) iCLASS credentials and other card CSN

Features

Data Output Formats

FIPS 201 Low outputs the FASC-N in an assortment of Wiegand bit formats from 40 – 200 bits. FIPS 201 Medium outputs a combination FASC-N and HMAC in an assortment of Wiegand bit formats from 32 – 232 bits. All Wiegand formats or the upgradeability from Low to Medium Levels can be field configured with the use of a command card. HID iCLASS® and HID 125 kHz proximity cards output standard proximity data formats.

Wiegand keypad data can be transmitted as individual key presses (ASCII encoded Hex digits), or as an SIA 26-bit card number with a configurable facility code.

These FIPS 201 readers can read FIPS 201 compliant credentials, DESFire®, HID iCLASS and HID or Indala 125 kHz proximity cards enabling facilities to seamlessly migrate to FIPS 201 cards or use multiple cards types.*

Audiovisual Indication
Audio speaker provides unique tone sequences to indicate good or bad card read, power up, and configuration card read. A light bar provides a clear visual status indication in red, green or amber. As reader begins FIPS credential read, LED turns amber for duration of read (read time varies depending on credential manufacturer). Upon successful read, LED flashes green and beeper beeps (default).

Indoor/Outdoor Design
Rugged, weatherized enclosure withstands harsh environments and resists vandalism. Also includes an optical tamper sensor.

Options
Color – Black, Gray,
iCLASS Key Management – Standard
Termination – removable connector with miniature screw terminals (keypad reader only) or 18" wire pigtail.
Programmable LED/Beeper operation

	R10	R15	R40	RK40	RP15	RP40	RPK40
Model Numbers	6100	6140	6120	6130	6145	6125	6136
*** Read Range**	Type A & B FIPS-201 End-Point Compliant Credentials, up to 2" (5 cm)						
**** Reads HID 125 kHz Proximity Credentials**	No	No	No	No	Yes	Yes	Yes
Mounting	The R10 is physically HID's smallest reader and is ideally suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface (Reader will not cover junction box).	The R15 is physically one of HID's smallest readers and is ideally suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface (Reader will not cover junction box).	The R40 is designed to mount and cover single gang switch boxes primarily used in the United States and includes a slotted mounting plate for European and Asian back box spacing.	The RK40 is designed to mount and cover single gang switch boxes primarily used in the United States and includes a slotted mounting plate for European and Asian back box spacing.	The RP15 is physically one of HID's smallest readers and is ideally suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface (Reader will not cover junction box).	The RP40 is designed to mount and cover single gang switch boxes primarily used in the United States and includes a slotted mounting plate for European and Asian back box spacing.	The RPK40 is designed to mount and cover single gang switch boxes primarily used in the United States and includes a slotted mounting plate for European and Asian back box spacing.
Dimensions	1.9" x 4.0" x .9" 4.8 x 10.3 x 2.3 cm	1.9″ x 6.0″ x .9″ 4.8 x 15.3 x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 x 12.2 x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 x 12.2 x 2.8 cm	1.9″ x 6.0″ x .9″ 4.8 x 15.3 x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 x 12.2 x 2.4 cm	3.3″ x 4.8″ x 1.1″ 8.5 x 12.2 x 2.8 cm
Power Supply	5 to 16 VDC reverse voltage protected. Linear supply recommended						
Current Requirements	55 mA AVG, 116 mA PEAK @ 12 VDC	55 mA AVG, 112 mA PEAK @ 12 VDC	55mA AVG, 121 mA PEAK @ 12 VDC	85 mA AVG, 116 mA PEAK @ 12 VDC	55 mA AVG, 141 mA PEAK @ 12 VDC	55 mA AVG, 141 mA PEAK @ 12 VDC	85 mA AVG, 169 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	13.56 MHz				13.56 MHz and 125 kHz		
Application Updates	Available on non-keypad readers only						
Cable Distance	Wiegand Interface 500 ft (150 m) 22 AWG						
Card Compatibility	• 14443A – read only; FIPS 201 compliant credentials, DESFire (FASC-N) and other card CSN • 14443B – read only; FIPS 201 compliant credentials, 16k bit (2k bytes) iCLASS credentials and other card CSN • 15693 – read only; 2k bit (256 Byte), 16k bit (2k Byte) and 32k bit (4k Byte) iCLASS credentials and other card CSN						
PIV Applications	End-point, File System, Transitional and Transitional VM						
Environmental	IP55						
Certifications	UL294/cUL (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						
Family Model	R-640X-300						
Warranty	Warrantied against defects in materials and workmanship for life. (See complete warranty policy for details.)						

*Dependent upon installation conditions.
** Reads either 125 kHz HID and AWID or 125 kHz Indala Proximity Credentials

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ACCESS experience.

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