

iCLASS® FIPS 201 Readers

GSA Certified 13.56 MHz Contactless Smart Card Readers

- ▶ FIPS 201 End State compatible
- ▶ FIPS 201 Transitional compatible
- ▶ Common Access Card (CAC) compatible
- ▶ On GSA Approved Products List



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 both FIPS 201 compatibility and industry leading HID iCLASS and HID 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 as well as the HID iCLASS and HID 125 kHz proximity family of 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, 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 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 FIPS 201 compliant reader with keypad provides 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

- ▶ I 5693 – read only; 2k bit (256 bytes), 16k bit (2k bytes) iCLASS credentials and other card CSN
- ▶ I 4443A – read only; FIPS 201 compliant credentials, DESFire (FASC-N) and other card CSN
- ▶ I 4443B – read only; FIPS 201 compliant credentials, 16k bit (2k bytes) 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 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.

Indoor/Outdoor Design

Rugged, weatherized enclosure withstands harsh environments and resists vandalism. Also includes tamper switch.

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	R40	RK40	RP40
Model Numbers	6100	6120	6130	6125
* Read Range	Read range up to 3" (7.62 cm) depending on technology and installation type.			
Reads HID 125 kHz Proximity Credentials	No	No	No	Yes
Mounting	The R10 is physically our 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 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 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.
Dimensions	1.90" x 4.04" x .80" 4.83 cm x 10.26 cm x 2.03 cm	3.30" x 4.80" x .85" 8.38 cm x 12.19 cm x 2.16 cm	3.30" x 4.80" x .90" (8.30 cm x 12.19 cm x 2.286 cm)	3.30" x 4.80" x .85" 8.38 cm x 12.19 cm x 2.16 cm
Power Supply	5 to 12VDC reverse voltage protected Linear supply recommended			
Current Requirements	50/75 mA @ 12VDC			
Operating Temperature	-40° to 150° F (-40° to 65° C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Transmit Frequency	13.56 MHz		13.56 MHz and 125 kHz	
Cable Distance	Wiegand Interface 500ft (150m) 22 AWG			
Card Compatibility	<ul style="list-style-type: none"> • I5693 – read only; 2k bit (256 bytes), 16k bit (2k bytes) iCLASS credentials and other card CSN • I4443A – read only; FIPS 201 compliant credentials, DESFire (FASC-N) and other card CSN • I4443B – read only; FIPS 201 compliant credentials, 16k bit (2k bytes) iCLASS credentials and other card CSN 			
Certifications	UL 294/cUL, FCC Certification, Canada Certification, CE Mark (Europe), New Zealand, Australia c-Tick, Taiwan, Singapore			
Housing Material	UL94 Polycarbonate			
Warranty	Warrantied against defects in materials and workmanship for life. (See complete warranty policy for details.)			

*Dependent upon installation conditions.

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ACCESS experience.

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