

iCLASS® Readers

PRODUCT DESCRIPTION

iCLASS® smart cards and readers make access control more powerful, more versatile, and most important of all, offers enhanced security through encryption and mutual authentication. At the same time, iCLASS® is user-friendly, delivering the convenience, affordability and reliability of proximity technology.

The read/write technology operates on a frequency of 13.56 MHz and enhances security through encryption and mutual authentication. These Smart card readers can output data in Wiegand, Clock & Data or serial data formats, making it simple to upgrade sites using existing wiring.



KEY FEATURES

- Cryptographic data storage
- Readers read standard proximity format data from HID iCLASS credentials or unique serial numbers from MIFARE® cards.
- Complies with the ISO 15693 standard for contactless smart card technology.
- Mutual authentication
- Secure reading and writing of data
- Rugged, weatherproof polycarbonate enclosure, designed to withstand harsh environments, provides reliable performance and resistance to vandalism.
- High-intensity 3-colour light bar provides a clear visual status indication, even in bright sunlight.

SPECIFICATIONS

Readers

Size (mm)/Mounting:	R10:	48.3 x 102.6 x 20.3 (W x H x D)	Mullion.
	R30:	83.8 x 83.8 x 19.1 (W x H x D)	Standard European & Asian Back Box.
	R40/RK40/RP40:	83.8 x 121.9 x 21.6 (W x H x D)	U.S./EU/Asian back box.
	R90:	304.8 x 304.8 x 31.75 (W x H x D)	Reader body fits onto base mounting plate.

Power Requirement:	R90:	12-24 VDC, 420/1300 mA @ 12VDC, 210/700 mA @ 24 VDC
	Other models:	5-16 VDC, 50/75 mA @ 12 VDC

Maximum Read Range:	R10:	89 mm (iClass Card)
	R30:	102 mm (iClass Card)
	R40/RK40/RP40:	108 mm (iClass Card)
	R90:	432 - 450 mm (HID iCLASS 2k card)

Additional Technologies:	RP40: Reads HID Prox, Indala Prox, and more
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Output formats:	Wiegand
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Operating temp:	R90:	-30° to 65°C
	Other models:	-40° to 65°C

Reader & Writers

Size (mm)/Mounting:	RW300:	83.8 x 83.8 x 19.1	Standard European and Asian back boxes
	RW400:	83.8 x 121.9 x 21.6	U.S./EU/Asian back box
	RWK400:	83.8 x 121.9 x 22.86	U.S./EU/Asian back box
	RWKL550:	105.9 x 155.9 x 37.5	U.S./EU/Asian back box

Power Requirement:	RWKL550:	9-12 VDC, 350/520 mA
	Other models:	5-16 VDC, 70/90 mA

Maximum Read range:	102. mm (iClass Card)
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Output formats:	RWKL550:	Wiegand, RS232, RS485, USB
	Other models:	Wiegand, RS232, RS485, USB, TTL

Operating temp:	RWKL550:	0°C to 45°C
	Other models:	-40° to 65°C

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Ordering Information

Readers

- 6100 iCLASS® R10 Read Only Contactless Smart Card Reader, Wiegand Output, Mullion Mount Size.
- 6110 iCLASS® R30 Read Only Contactless Smart Card Reader, Wiegand Output, EU/Asian Back Box Size.
- 6120 iCLASS® R40 Read Only Contactless Smart Card Reader, Wiegand Output, US/EU/Asian Back Box Size.
- 6125 iCLASS® RP40 Read Only Contactless combination technology reader (HID Prox, iCLASS® & FIP 201 formats) Wiegand Output, US/EU/Asian Back Box Size.
- 6130 iCLASS® RK40 Read Only Contactless Smart Card Reader, Wiegand Output, US/ EU/Asian Back Box Size, with Keypad.
- 6150 iCLASS® R90 Long Range Contactless Smart Card Reader, Wiegand Output.

Reader & Writers

- 6111 iCLASS® RW300 Contactless Smart Card Reader/Writer, Wiegand and/or RS232 Output, EU/Asian Back Box Size.
- 6121 iCLASS® RW400 Contactless Smart Card Reader/Writer, Wiegand and/or RS232 US/EU/Asian Back Box Size.
- 6131 iCLASS® RWK400 Contactless Smart Card Reader/Writer, Wiegand and/or RS232 US/EU/Asian Back Box Size, with Keypad.
- 6171 iCLASS® RWKL550 Contactless Smart Card Reader/Writer, Wiegand and/or RS232 US/EU/Asian Back Box Size, with LCD/Keypad.

Credentials

- 2000 iCLASS® Card. Contactless Smart Card, 2k bit with 2 application areas.
- 2020 iCLASS® PROX. Combined contactless Smart Card, 2k bit with 2 application areas plus HID 125kHz technology.
- 2050 iCLASS® Key. Contactless Smart Key, 2k bit with 2 application areas
- 2060 iCLASS® Tag. Contactless Smart Tag, 2k bit with 2 application areas.
- 2080 iCLASS® Clamshell. Contactless Clamshell Smart Card, 2k bit with 2 application areas.



2000



2020



2080



2050



2060