

Rugged Smart Card Readers



iRox™ and iRox Plus™

Essex iRox and iRox Plus are contactless smart card readers with Genuine HID Technology™. These ruggedized readers feature a low profile, vandal and ligature resistant design.



IRX-1S



IRXP-2B

- ▶ iCLASS SE® and MultiCLASS SE®
- ▶ All Weather IP 66 Rated
- ▶ Stainless Steel Construction
- ▶ Vandal and Ligature Resistant
- ▶ Audio & Visual Feedback
- ▶ Up to 4" Read Range
- ▶ Mullion, Single or Double Gang
- ▶ Stainless or Black Finish
- ▶ Customization Options
- ▶ Designed and Manufactured in the USA

SEOS



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1-800-KEYLESS keyless.com

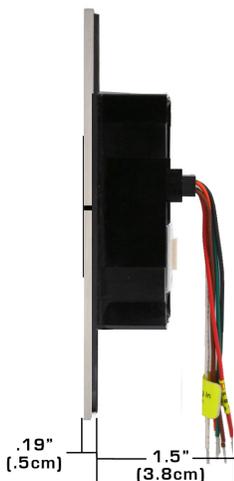
iRox™ and iRox Plus™ are heavy duty smart card readers with Genuine HID Technology™. iRox readers feature stainless steel construction, epoxy encapsulated electronics, audiovisual feedback and a low profile, ligature resistant design. iRox™ incorporates HID iCLASS SE® which reads 13.56MHz high frequency credentials including HID Seos®. iRox Plus™ with MultiCLASS SE® adds 125kHz proximity for dual frequency applications.



IRX-1B



IRXP-2S



Side View

Features

All Weather Design

Epoxy encapsulated electronics in a weatherized enclosure provides superior performance in even the most extreme environment.

Vandal Resistant Construction

304 Stainless steel faceplate. Optional black powder coat finish available.

Audio/Visual Feedback

Audio and visual indication occurs when a credential is presented to the reader. Audio and bi-colored (Blue/Green) Illumination can also be host controlled.

Mounting Method

IRX-1/IRXP-1: Mullion mount. Flush mount or spacer ring (SR-1) for surface mount installation.

IRX-2/IRXP-2: Single Gang. Flush mount to a single gang switchbox or extension box (BAK BOX-SGE) for surface mount installation.

IRX-3/IRXP-3: Double Gang. Flush mount to a double gang switchbox or extension box (BAK BOX-DGE) for surface mount installation.

Custom Graphics Available

Contact Essex for information.

Specifications

Power Requirements

5 or 12VDC Field Selectable

Output

Wiegand output interfaces with most OEM access control panels. Supports card formats up to 91 bits including 26 Bit Wiegand.

Transmit Frequency

iRox™: 13.56MHz
iRox Plus™: 13.56MHz & 125 kHz

Typical Read Range

Up to 4" depending on credential and installation.

Current Draw

90mA Standby 300mA Peak

Operating Temperature

- 40°F to + 180°F (- 40°C to + 82°C)

Operating Environment

IP66 Rated (with proper installation)
100% Relative Humidity

Dimensions

	Height	Width	Depth
IRX-1/IRXP-1	4 ½"	1 ¾"	1"
IRX-2/IRXP-2	4 ½"	2 ¾"	1"
IRX-3/IRXP-3	4 ½"	4 ½"	1"

Weight

IRX-1/IRXP-1: 5 oz. (142 gm)
IRX-2/IRXP-2: 7 oz. (200 gm)
IRX-3/IRXP-3: 14 oz. (400 gm)



ORDERING GUIDE

Part Number	Description
IRX-1B	iRox™ High Frequency iCLASS SE® Reader, Narrow, Black Faceplate
IRX-1S	iRox™ High Frequency iCLASS SE® Reader, Narrow, Stainless Faceplate
IRX-2B	iRox™ High Frequency iCLASS SE® Reader, Single Gang, Black Faceplate
IRX-2S	iRox™ High Frequency iCLASS SE® Reader, Single Gang, Stainless Faceplate
IRX-3B	iRox™ High Frequency iCLASS SE® Reader, Double Gang, Black Faceplate
IRX-3S	iRox™ High Frequency iCLASS SE® Reader, Double Gang, Stainless Faceplate
IRXP-1B	iRox Plus™ Dual Frequency MultiCLASS SE® Reader, Narrow, Black Faceplate
IRXP-1S	iRox Plus™ Dual Frequency MultiCLASS SE® Reader, Narrow, Stainless Faceplate
IRXP-2B	iRox Plus™ Dual Frequency MultiCLASS SE® Reader, Single Gang, Black Faceplate
IRXP-2S	iRox Plus™ Dual Frequency MultiCLASS SE® Reader, Single Gang, Stainless Faceplate
IRXP-3B	iRox Plus™ Dual Frequency MultiCLASS SE® Reader, Double Gang, Black Faceplate
IRXP-3S	iRox Plus™ Dual Frequency MultiCLASS SE® Reader, Double Gang, Stainless Faceplate
SR-1	Spacer Ring for Narrow iRox Readers
BAK BOX-SGE	Surface Mount Extension Back Box for Single Gang iRox Readers
BAK BOX-DGE	Surface Mount Extension Back Box for Double Gang iRox Readers



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Proudly Made in the USA