Rugged Smart Card Readers

iRox™ and iRox Plus™

- iCLASS SE® and MultiCLASS SE®
- All Weather IP 66 Rated
- Stainless Steel Construction
- Vandal Resistant Design
- Genuine HID Technology™
- Audio & Visual Feedback
- Up to 4” Read Range
- Mullion or Single Gang

Essex Electronics
1-800-KEYLESS keyless.com
iRox™ and iRox Plus™ are heavy duty smart card readers with Genuine HID Technology™. These all weather IP66 rated readers feature stainless steel construction, epoxy encapsulated electronics, audio visual feedback and a modern low profile design. iRox™ features iCLASS SE® which is capable of reading HID 13.56MHz high frequency formats. iRox Plus™ featuring MultiCLASS SE® adds 125kHz proximity for dual frequency applications.

**Features**

- **All Weather Design**
  Epoxy encapsulated electronics in a weatherized enclosure provides superior performance in even the most extreme environment.

- **Vandal Resistant Construction**
  \( \frac{3}{8} \)" Stainless steel faceplate and fully sealed electronics enclosure designed for harsh environments.

- **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/IRX-1: Mullion mount. Flush mount or optional spacer ring (PRXSR) for surface mount installation.
  IRX-2/IRX-2: Single Gang. Flush mount to a single gang switchbox or optional Backbox (BAK BOX-SGS) for surface mount installation.

- **Custom Faceplate Graphics Available**
  Laser Marked in Black.

**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 and 125 kHz

- **Typical Read Range**
  Up to 4"

- **Current Draw**
  90mA Standby 300mA Peak

- **Operating Temperature**
  -40°F to + 180°F [-40°C to + 82°C]

- **Operating Humidity**
  100% Relative Humidity

- **Operating Environment**
  IP66 Rated

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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>IRX-1</td>
<td>Narrow Style iRox High Frequency iCLASS SE® Reader</td>
<td>( \frac{3}{8} )&quot;</td>
<td>1 3/4&quot;</td>
<td>1&quot;</td>
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<tr>
<td>IRX-2</td>
<td>U.S. Single Gang iRox High Frequency iCLASS SE® Reader</td>
<td>( \frac{3}{8} )&quot;</td>
<td>2 3/4&quot;</td>
<td>1&quot;</td>
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<tr>
<td>IRXP-1</td>
<td>Narrow Style iRox Plus™ Dual Frequency MultiCLASS SE® Reader</td>
<td>( \frac{3}{8} )&quot;</td>
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<tr>
<td>IRXP-2</td>
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<td>PRXSR</td>
<td>Surface Mount Spacer Ring for IRX-1 and IRX-1</td>
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<td>1 3/4&quot;</td>
<td>1&quot;</td>
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<tr>
<td>BAK BOX-SGS</td>
<td>Surface Mount Back Box for IRX-2 and IRX-2</td>
<td>( \frac{3}{8} )&quot;</td>
<td>2 3/4&quot;</td>
<td>1&quot;</td>
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<tr>
<td>CARD-2080-100</td>
<td>100 ea. HID iCLASS® Smart Cards [37 Bit]</td>
<td>( \frac{3}{8} )&quot;</td>
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<td>FOB-2050-50</td>
<td>50 ea. HID iCLASS® Keyfobs</td>
<td>( \frac{3}{8} )&quot;</td>
<td>1 3/4&quot;</td>
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**Ordering Guide**