# Equitrac® ID Card Reader

## Product Specs

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<th>Mifare (gen 2)</th>
<th>HID/Indala (gen 2)</th>
<th>Multi-Card</th>
<th>Multi-Card + SAM &amp; iClass</th>
<th>Legic (gen 2)</th>
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<tr>
<td>CRU00X02</td>
<td>CRU00Z02</td>
<td>CRU0MF02</td>
<td>CRU0MC02</td>
<td>CRU00Y02</td>
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### Host Interface
- USB 2.0 Full Speed (USB 1.1 Compatible)
- USB Type A Plug
- USB HID (works with native drivers included in Windows, Mac, Linux and most other operating systems)
- USB HID keyboard emulation (requires programming of reader with Stock Configuration)

### Visual Indicator
- Bi-color LED (Red/Green)

### Audible Indicator
- Piezo Beeper (enabled via programming of reader with Stock Configuration)

### Power Supply (USB VBUS):
- 4.7 to 5.5 VDC

### Absolute Max Current:
- 300 mA

### Max Operating Current:
- 165 mA
- 80 mA
- 185 mA
- 210 mA
- 200 mA

### Average Operating Current:
- 140 mA
- 55 mA
- 100 mA
- 100 mA
- 110 mA

### Response Time:
- 75 to 580 ms

### Operating Environment:
- -20 to +60 °C, 20 to 80% RH (non condensing)

### Storage Environment:
- -25 to +70 °C, 10 to 90% RH (non condensing)

### MTBF:
- 500,000 Hours

### Housing:
- Injection Molded PC/ABS, Quartz White

### Housing Size, L x W x H:
- 85 x 48 x 17 mm

### Weight, with cable:
- 93 g
- 96 g
- 98 g
- 100 g
- 102 g

### Cable Length:
- 1.8 m

### Package Size, L x W x H:
- 175 x 90 x 53 mm

### Package Includes:
- Reader, Velcro, Cable Ties, USB mini-B Plug Adapter, Compliance Insert

### Package Weight:
- 158 g
- 162 g
- 163 g
- 166 g
- 162 g

### Environmental Compliance:
- RoHS 2, China RoHS, REACH, WEEE

### Compatible Low Frequency (LF) Transponders
- n/a
- n/a
- n/a
- n/a

### LF Read Range:
- n/a
- 10 to 30 mm
- n/a
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<td>ISO15693</td>
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<td>20 to 85 mm</td>
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<td>15 to 85 mm</td>
<td>35 to 100 mm</td>
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**Notes:**

1. Host interface authentication and encryption not available in USB HID Keyboard emulation mode.
2. Individual country certification varies by card reader. Please contact your Nuance Sales representative for a full list.
3. By default readers return a unique ID (UID) for each card or tag within a given transponder family. It is not possible for the reader to access any other data stored in transponders designated ‘UID only’.
4. Transponder is supported by reader hardware but special firmware may be required to recover a unique ID or other data. Programmed samples of customer cards must be submitted for evaluation, contact your Nuance Sales representative.
5. Range varies with transponder type and is based on the use of standard identification and financial (ISO 7811) sized cards with readers mounted to a non-metallic surface. Use of alternate transponder formats (fobs, stickers, mechanical keys with smart heads, etc.) or mounting to a metallic surface results in a reduction of the published read range.
6. Access to encrypted transponder data requires customization of the reader via creation and download of secure configuration files. For more information contact your Nuance Sales representative.
7. Response time is dependent on the reader configuration and number of card systems in use. Response to first presentation of the published read range.

**About Nuance Communications, Inc.**

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