### Encoder compatibility matrix

All listed encoders are compatible with Enduo3E and Rio Pro printers. To confirm compatibility with Prima 4 or Helix printers, please contact Magicard support.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Max read range</th>
<th>Card interface</th>
<th>PC interface</th>
<th>Card types</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diagon®</strong></td>
<td>Digion 24</td>
<td>N/A</td>
<td>Contactless</td>
<td>Serial and USB</td>
<td>MIFARE® (Classic, Light)</td>
</tr>
<tr>
<td></td>
<td>Digion 24 Classic™</td>
<td>N/A</td>
<td>Contactless</td>
<td>Serial</td>
<td>MIFARE® (Classic, Light)</td>
</tr>
<tr>
<td></td>
<td>D24 controller</td>
<td>N/A</td>
<td>N/A</td>
<td>Serial</td>
<td>MIFARE® (Classic, Light)</td>
</tr>
<tr>
<td></td>
<td>D24 antenna PCB</td>
<td>1.2 - 5cm</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443 and 15693)</td>
<td>N/A</td>
<td>MIFARE® (Classic, Light)</td>
</tr>
<tr>
<td><strong>Gemalto®</strong></td>
<td>D24 EDGE CTLS (Pro - module)</td>
<td>N/A</td>
<td>N/A</td>
<td>Serial</td>
<td>MIFARE® (Classic, Light), Contactless</td>
</tr>
<tr>
<td></td>
<td>D24 EDGE C11 antenna PCB</td>
<td>4cm</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443)</td>
<td>N/A</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443)</td>
</tr>
<tr>
<td></td>
<td>D24 EDGE C10 (Pro - C2 and C5)</td>
<td>4cm</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443)</td>
<td>N/A</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443)</td>
</tr>
<tr>
<td></td>
<td>Gemalto C2</td>
<td>N/A</td>
<td>N/A</td>
<td>Serial</td>
<td>MIFARE® (Classic, Light), Contactless</td>
</tr>
<tr>
<td></td>
<td>Prox - CU</td>
<td>0.6m</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443) + 2 SAM sockets</td>
<td>Serial and USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>HID</strong></td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
<td>10cm</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443), 15693, 18000-3, NFC</td>
<td>USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contactless HP RFID</td>
<td>13.8</td>
<td>Contactless HP RFID</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contactless HP RFID</td>
<td>30.1</td>
<td>Contactless HP RFID</td>
<td>Serial and USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>SkyTeK</strong></td>
<td>Mifasafe 15SN</td>
<td>13.8</td>
<td>Contactless HP RFID</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Mifasafe compact</td>
<td>30.1</td>
<td>Contactless HP RFID</td>
<td>Serial and USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Mercury 6y (Mifasafe)</td>
<td>30.1</td>
<td>Contactless HP RFID</td>
<td>Serial and USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>Logic®</strong></td>
<td>Logic Classic Pro</td>
<td>10cm</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443), 15693 and Logic (HF)</td>
<td>USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Logic Classic Pro</td>
<td>7.5cm</td>
<td>Contactless HF (13.56MHz), (ISO/IEC 14443)</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>N/A</td>
<td>Contact</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>N/A</td>
<td>Contact</td>
<td>Serial and USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>N/A</td>
<td>Contact</td>
<td>Contactless</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>10cm</td>
<td>Contact and contactless (13.56MHz)</td>
<td>USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>8cm</td>
<td>Contact and contactless (13.56MHz)</td>
<td>USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact</td>
<td>10cm</td>
<td>Contact and contactless (13.56MHz)</td>
<td>USB</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact (with SAM socket)</td>
<td>7.5cm</td>
<td>Contact and contactless (13.56MHz)</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact (with SAM socket)</td>
<td>6.0cm</td>
<td>Contact and contactless (13.56MHz)</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td></td>
<td>Contact (with SAM socket)</td>
<td>Approx 6cm</td>
<td>Contact and contactless (13.56MHz)</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>Ingersoll Rand®</strong></td>
<td>Contact</td>
<td>12.0m</td>
<td>Contact</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>Gemini 2000®</strong></td>
<td>Contact</td>
<td>12.0m</td>
<td>Contact</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>CJS Technology®</strong></td>
<td>Contact</td>
<td>12.0m</td>
<td>Contact</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>Feig®</strong></td>
<td>Contact</td>
<td>12.0m</td>
<td>Contact</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
<tr>
<td><strong>Dual®</strong></td>
<td>Contact</td>
<td>12.0m</td>
<td>Contact</td>
<td>Serial</td>
<td>MIFARE® (Classic, UltraLight, DESFire®, FIPS201/PIV®)</td>
</tr>
</tbody>
</table>