ioProx Proximity Readers and Cards

Features That Make a Difference:

- Readers are compatible with dual-encoded proximity cards - 26-bit Wiegand and Kantech XSF
- Kantech XSF cards can be encoded with over four billion unique codes
- Digital Signal Processing (DSP) ensures quick and reliable card reading
- Weatherproof design for indoor and outdoor applications
- Integrated piezoelectric buzzer & bicolor reader LED
- Quick connect terminal blocks (P225 and P325 series) allows for easy wiring and saves time and money
- Up to 73 cm (29 in) read range (P600)

Integration by Design
Kantech ioProx readers and cards provide an ideal access control solution. They are a secure and easy-to-install solution to manage and control access all the while ensuring people, materials and operations are safe. ioProx readers and cards seamlessly integrate with Kantech access control systems including door controllers and EntraPass Security Software.

Encoding & Authentication
All ioProx readers are compatible with dual encoded proximity cards - 26-bit Wiegand and Kantech Extended Secure Format (XSF). The XSF cards can be encoded with over four billion codes, ensuring no duplication. ioProx keypad readers provide a powerful security solution. Combine an ioProx card presentation with a personal identification number (PIN) to support dual authentication of identity.

Selecting The Right Reader
ioProx readers can be selected based on mounting options (single gang box or mullion), compatible card formats (26-bit Wiegand or Kantech XSF), read range and authentication (card or card plus PIN).

Read Range
Depending on the model selected and the operating conditions, read range varies from 16.5 cm to 73 cm (6.5 in to 29 in). With its extended range, the P600 Long Range Reader is ideal for parking lots and other long read range applications.

Appealing/Durable Readers
ioProx readers are attractive, compact, weatherized and vandal-resistant, making them suitable for installation in a variety of indoor and outdoor environments. The bicolor reader LED indicates system status. The LED turns green to indicate a successful read when the card is presented to the reader. In addition, the LED can indicate if the alarm system is armed or disarmed. The piezoelectric buzzer provides audible indication of a successful read.

Presenting Our Credentials
ioProx cards feature proven, reliable technology that seamlessly integrates with ioProx readers. Cards are available in a variety of shapes and materials. They offer a flexible design and can be attached to a key ring, badge clip or lanyard. In the case of disk shaped P50TAG, it can be attached to any non-metallic surface such as a smart phone. And some cards are suitable for dye sublimation printing.

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**ioProx Card Reader Selection Chart**

<table>
<thead>
<tr>
<th>Model Number/Description</th>
<th>Dimensions (h x w x d)</th>
<th>Read Range</th>
<th>Power Supply</th>
<th>Maximum Cable Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>P225XSF, P225W26 Mullion Mount</td>
<td>11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)</td>
<td>Up to 16.5 cm (6.5 in)</td>
<td>4.5 to 14 VDC, max. 45 mA</td>
<td>137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC</td>
</tr>
<tr>
<td>P225KPXSF, P225KPW26 Mullion Mount with Keypad</td>
<td>11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)</td>
<td>Up to 16.5 cm (6.5 in)</td>
<td>4.5 to 14 VDC, max. 45 mA</td>
<td>137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC</td>
</tr>
<tr>
<td>P325XSF, P325W26 Single Gang Mount</td>
<td>11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)</td>
<td>Up to 20.5 cm (8 in)</td>
<td>4.5 to 14 VDC, max. 45 mA</td>
<td>150 m (500 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC</td>
</tr>
<tr>
<td>P325KPXSF, P325KPW26 Single Gang Mount &amp; Keypad</td>
<td>11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)</td>
<td>Up to 20.5 cm (8 in)</td>
<td>4.5 to 14 VDC, max. 45 mA</td>
<td>150 m (500 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC</td>
</tr>
<tr>
<td>P600 Long Range Reader</td>
<td>28.5 x 28.5 x 3.2 cm (11.25 x 11.25 x 1.25 in)</td>
<td>Up to 73 cm (29 in)</td>
<td>12 to 28 VDC, max. 1.5 A</td>
<td>137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC</td>
</tr>
</tbody>
</table>

**ioProx Card Selection Chart**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Dimensions (h x w x t)</th>
<th>Printable</th>
<th>Slot Punch</th>
</tr>
</thead>
<tbody>
<tr>
<td>P10SHL</td>
<td>Clamshell Card</td>
<td>8.5 x 5.4 x 0.1 cm (3.4 x 2.1 x 0.07 in)</td>
<td>No</td>
<td>Vertical</td>
</tr>
<tr>
<td>P20DYE</td>
<td>ISO-Thin Card</td>
<td>8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)</td>
<td>Both Sides</td>
<td>Vertical or Horizontal</td>
</tr>
<tr>
<td>P30DMG</td>
<td>ISO-Thin Card with Unencoded Magnetic Stripe</td>
<td>8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)</td>
<td>Both Sides</td>
<td>Vertical or Horizontal</td>
</tr>
<tr>
<td>P40KEY</td>
<td>Key Tag</td>
<td>5.0 x 2.0 x 0.5 cm (1.9 x 0.8 x 0.2 in)</td>
<td>No</td>
<td>Key Ring Hole</td>
</tr>
<tr>
<td>P5OTAG</td>
<td>Self-Adhesive Round Tag</td>
<td>2.5 cm diameter (1 in diameter)</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Note: Product images are not shown to scale.

**Related Products**

- EntraPass Security Management Software
- KT-400 Four-Door Controller
- T.Rex Request-To-Exit Detector
- Badge Printer

**Approvals**

- RoHS Compliant
- CE Marked

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