

## 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.

### 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.

### 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.

## ioProx Card Reader Selection Chart

### Common ioProx Card Reader Specifications

Compatible Card Formats. . . . . Dual encoded - XSF (Kantech Extended Secure Format) and 26-bit Wiegand  
 LED Indicator. . . . . Bicolor (Red, Green)  
 Piezoelectric Buzzer . . . . . Integrated  
 Operating Temperature Range. . . . . -35°C to 65°C (-30°F to 150°F)  
 Color. . . . . Black

Model Number/Description	Dimensions (h x w x d)	Read Range	Power Supply	Maximum Cable Distance
P225XSF, P225W26 Mullion Mount	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5 cm (6.5 in)	4.5 to 14 VDC, max. 45 mA	137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P225KPXSf, P225KPW26 Mullion Mount with Keypad	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5 cm (6.5 in)	4.5 to 14 VDC, max. 45 mA	137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P325XSF, P325W26 Single Gang Mount	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5 cm (8 in)	4.5 to 14 VDC, max. 45 mA	150 m (500 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P325KPXSf, P325KPW26 Single Gang Mount & Keypad	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5 cm (8 in)	4.5 to 14 VDC, max. 45 mA	150 m (500 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P600 Long Range Reader	28.5 x 28.5 x 3.2 cm (11.25 x 11.25 x 1.25 in)	Up to 73 cm (29 in)	12 to 28 VDC, max. 1.5 A	137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC

## ioProx Card Selection Chart

Model Number	Description	Dimensions (h x w x t)	Printable	Slot Punch
P10SHL	Clamshell Card	8.5 x 5.4 x 0.1 cm (3.4 x 2.1 x 0.07 in)	No	Vertical
P20DYE	ISO-Thin Card	8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)	Both Sides	Vertical or Horizontal
P30DMG	ISO-Thin Card with Unencoded Magnetic Stripe	8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)	Both Sides	Vertical or Horizontal
P40KEY	Key Tag	5.0 x 2.0 x 0.5 cm (1.9 x 0.9 x 0.55 in)	No	Key Ring Hole
P50TAG	Self-Adhesive Round Tag	2.5 cm diameter (1 in diameter)	No	No



P600



P225XSF  
P225W26



P325XSF  
P325W26



P225KPXSf  
P225KPW26



P325KPXSf  
P325KPW26



P50TAG



P40KEY



P10SHL



P20DYE



P30DMG

Note that 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



[www.kantech.com](http://www.kantech.com)