

## ioProx Proximity Readers and Cards



### Features That Make a Difference:

- Choose from Kantech eXtended Secure Format (XSF) or 26-bit Wiegand format
- Digital Signal Processing (DSP) ensures quick and reliable card reading
- Weatherproof design for indoor and outdoor applications
- Integrated piezo 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 Management Software.

### Secure Card Formats

All ioProx cards are dual encoded with both 26-bit Wiegand format and Kantech eXtended Secure Format (XSF). These same ioProx cards can be used either with 26-bit Wiegand or XSF format card readers. Kantech XSF readers are compatible with Entrapass Software which allows access to over 4 billion codes, protecting against card duplication. ioProx Readers support dual authentication by combining ioProx card presentation along with a Personal Identification Number (PIN) entered on the reader's integrated keypad.

### 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

Choose the right ioProx reader for the specific application: single gang box, mullion, integrated keypad and long read range. Readers can also be selected based on reading distances, output options and other considerations.

### 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 piezo buzzer provides audible indication of a successful read.

## ioProx Card Reader Selection Chart

### Common ioProx Card Reader Specifications

Both XSF and 26-bit Wiegand format ioProx readers are compatible with ioProx cards  
 Transmission Frequency . . . . . 125 kHz  
 LED Indicator . . . . . Bicolor (Red, Green)  
 Piezo Buzzer . . . . . Integrated

Operating Temperature Range . . . . . -35°C to 65°C (-30°F to 150°F)  
 Certifications . . . . . FCC Part 15 Class B, CE, UL  
 Environmental . . . . . RoHS, WEEE  
 Color . . . . . Black

Model Number	Dimensions	Read Range	Format	Input Power	Maximum Distance From Controller	Cable Type	Tamper
P225/ P225KP Mullion	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5cm (6.5 in)	XSF or 26-bit Wiegand	4.5 to 14 VDC, max. 45 mA	Input Power: 5 VDC - 137 m (450 ft), 12 VDC - 300 m (1000 ft)	Unshielded #22 AWG Belden #8742, 3 twisted pairs	Optional
P325/ P325KP Single Gang	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5cm (8 in)	XSF or 26-bit Wiegand	4.5 to 14 VDC, max. 45 mA	Input Power: 5 VDC - 150 m (500 ft), 12 VDC - 300 m (1000 ft)	Unshielded #22 AWG Belden #8742, 3 twisted pairs	Optional
P600 Long Range	285 x 285 x 31.5 cm (11.25 x 11.25 x 1.25 in)	Up to 73cm (29 in)	XSF or 26-bit Wiegand, configurable	12 to 28 VDC, max. 1 A	Input Power: 12 VDC - 137 m (450 ft), 28 VDC - 300 m (1000 ft)	Unshielded #18 AWG Belden #5304UE, 6 conductor	Integrated

## ioProx Card Selection Chart

ioProx Cards Common Operating Temperature Range . . . . . -45°C to 70°C (-50°F to 160°F)

Model #	Card Type	Color	Dimensions	Weight	Read Range by Reader Model			Direct Print	Slot
					P225/P225KP	P325/P325KP	P600		
P10SHL	Standard ABS/ PVC Clamshell	White	8.5 x 5.4 x 0.1 cm (3.4 x 2.1 x 0.07 in)	6.8 g (0.24 oz)	Up to 16.6 cm (6.5 in)	Up to 20.8 cm (8.2 in)	Up to 73 cm (29 in)	Non-printable	Vertical
P20DYE	PVC laminate Thin Card	White	8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)	6.8 g (0.24 oz)	Up to 8.5 cm (3.4 in)	Up to 8.5 cm (3.4 in)	Up to 48 cm (18.9 in)	Both sides	No*
P30DMG	PVC laminate Thin Card & Unencoded Mag Stripe	White	8.5 x 5.4 x 0.07 cm (3.4 x 2.1 x 0.03 in)	6.8 g (0.24 oz)	Up to 8.5 cm (3.4 in)	Up to 8.5 cm (3.4 in)	Up to 48 cm (18.9 in)	Both sides	No*
P40KEY	Welded ABS Shell Keytag	Gray	5 x 2 x 0.5 cm (2 x 0.8 x 0.2 in)	5 g (0.18 oz)	Up to 9.3 cm (3.7 in)	Up to 10.4 cm (4.1 in)	Up to 40 cm (15.7 in)	Non-printable	Key Ring Hole
P50TAG	Self-Adhesive Round Tag	White	2.5 cm diameter (1 inch diameter)	1 g (0.04 oz)	Up to 8.4 cm (3.3 in)	Up to 10.4 cm (4.1 in)	Up to 27 cm (10.6 in)	Non-printable	No

\* Card contains marks for user to make horizontal or vertical slot punch.



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



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