KANTECH™

ioProx Proximity Readers

Features That Make a Difference:

- Choose from Kantech™ eXtended Secure Format (XSF) or 26-bit Wiegand format
- Digital Signal Processing (DSP) for enhanced security
- Weatherproof design for indoor and outdoor applications
- Integrated piezo buzzer & bicolor LED
- Integrated tamper switch on P600 (optional on other models)
- The use of quick connect terminal blocks (P225 and P325 series) allows for easy wiring and saves you time and money
- Use the keypad's * and # buttons in conjunction with the EntraPass software to arm and disarm external alarm panels
- Up to 73 cm (29 in) read range (P600)

Choose from five ioProx readers that easily meet the demands of any application. The readers are attractive, compact, weatherized, and vandal-resistant, making them suitable for installation in a variety of environments.

Easy Installation
Snap-and-lock terminal blocks (P225 and P325 series) allow for easy wiring, saving time and money.

Voltage Requirements
Depending on the model selected, power requirements range from 4.5 to 14 VDC (P225 and P325 series) or 12 to 28 VDC (P600), providing compatibility with virtually any controller on the market. This allows a system to be upgraded simply by changing readers and cards without rewiring.

Integrated 12-Button Keypad
Integrated keypad models are ADA-compliant and based on the 8-bit burst industry standard. Convenient features such as arming/disarming and alarm triggering are pre-programmed for use with Kantech EntraPass software.

Read Range
Depending on the model selected and the environmental 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 applications where an extended read range is needed to facilitate access.

Unshielded Cable
ioProx readers can be installed using unshielded cable to a distance of up to 300 m (1000 ft) from the controller. Using this type of cable significantly reduces installation costs.

XSF Security
Kantech eXtended Secure Format (XSF) readers are compatible only with Kantech EntraPass software which includes access to over four billion unique codes. Kantech's XSF cards provide increased security against card duplication.

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	P225/P225KP Mullion	P325/P325KP Single Gang	P600 Long Range
Typical Read Range	Up to 16.5 cm (6.5 in)	Up to 20.5 cm (8 in)	Up to 73 cm (29 in)
Input Voltage	4.5 to 14 VDC	4.5 to 14 VDC	12 to 28 VDC
Current DC Maximum	45 mA	45 mA	1 A
Dimensions (H x W x D)	114.3 x 44.5 x 21.3 cm (4.50 x 1.75 x 0.84 in)	115.6 x 71.1 x 21.3 cm (4.55 x 2.80 x 0.84 in)	285 x 285 x 31.5 cm (11.25 x 11.25 x 1.25 in)
Weight	90 g (3.2 oz)	150 g (5.3 oz)	1085 g (38.3 oz)
Format	XSF or 26-bit Wiegand	XSF or 26-bit Wiegand	Field configurable for XSF or 26-bit Wiegand
Maximum Distance From Controller:			
Reader Power 5 VDC	137 m (450 ft)	150 m (500 ft)	—
Reader Power 12 VDC	300 m (1000 ft)	300 m (1000 ft)	150 m (500 ft)
Reader Power 28 VDC	—	—	300 m (1000 ft)
Cable Type	#22 AWG Belden ref #8742 3 twisted pairs, unshielded	#22 AWG Belden ref #8742 3 twisted pairs, unshielded	#18 AWG Belden ref #5304UE 6 wires, unshielded
Tamper Switch	Optional P-TAMP	Optional P-TAMP	Integrated
High Endurance Braille Keypad	P225KP only	P325KP only	N/A

Common Specifications

Color	Black	Operating Temperature	-35°C to 65°C (-30°F to 150°F)
Transmit Frequency	125 kHz	Certifications	FCC Part 15 Class B, CE, UL
LED Indicator	Bicolor (Red, Green)	Environmental	RoHS, WEEE
Piezo Buzzer	Integrated		

P600

P225XSF
P225W26

P325XSF
P325W26

P225KPXSF
P225KPW26

P325KPXSF
P325KPW26

P50TAG
Self-Adhesive Tag

P40KEY
Keytag

P10SHL
Standard Shell Card

P20DYE
Dye-sub Card

P30DMG
Dye-sub Card with Mag Stripe

Cards and readers shown are not to scale
XSF = Kantech eXtended Secure Format
W26 = 26-bit Wiegand format
ioProx cards are compatible with both XSF and 26-bit Wiegand format ioProx readers

www.kantech.com