



SA-500

ioPass is a fully programmable stand-alone access control system that allows entry using proximity technology, keypad, or both, for up to 5,000 users. Compact and surface mountable, ioPass is programmed directly from the unit. The system is available in two models: with an integrated or external proximity reader.

Easy Programming

Programming is performed directly from the keypad with visual confirmation of each operation on the 16-character, 2-line LCD display.

Invalid Password Lockout

To prevent unauthorized persons from gaining password entry by trial and error the system activates an alarm relay and/or automatically deletes the card number after five tries once the option is selected in the system.

ioPass

Stand-Alone Door Controller

Features That Make a Difference:

- Up to 5,000 card users
- Use integrated reader, keypad or both
- Integrated or external ioProx proximity reader
- Read range of up to 16.5 cm (6.5 in)
- Easy programming from the keypad
- Higher security provided by a concealed door relay module
- Auxiliary relay to arm/disarm an alarm system
- Audit trail on the unit
- Duress function available
- 10 proximity keytags included
- Six languages programmable from keypad

Integrated or External ioProx Proximity Reader

Two ioPass models are available. The integrated proximity reader model SA-500 is used for indoor installations. The external proximity reader model SA-600 provides a vandal and weather resistant feature.

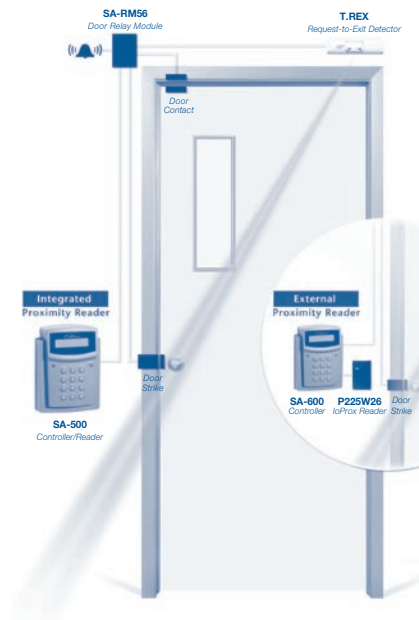
Ideal for small applications, the SA-500 model includes a reader hidden behind the keypad while the SA-600, designed for outside applications, includes an external reader that may be wired up to 150 m (500 ft) from the ioPass controller.

Higher Security Provided By Concealed Door Relay Module

The ioPass relay module is separate from the unit and can be concealed inside a wall or ceiling.

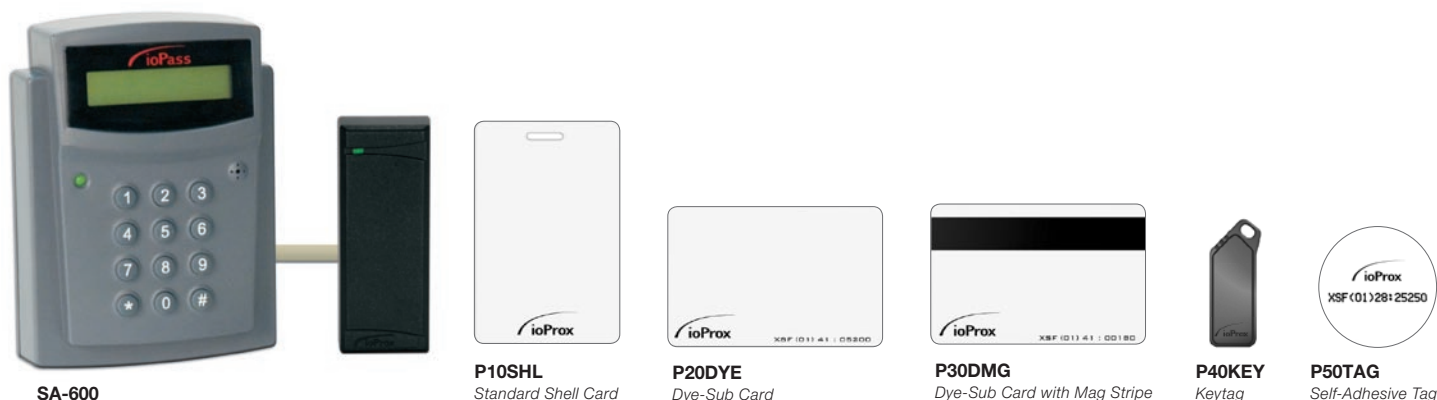
Technical Specifications

Typical Read Range ¹	Up to 16.5 cm (6.5 in)
Input Voltage	12 VDC
Current DC Maximum	300mA
Display	16 characters, 2 lines, LCD with backlight
Languages Programmable from Keypad	English, French, Spanish, German, Dutch, Italian
Dimensions (H x W x D)	15 x 11 x 4.5 cm (5.9 x 4.3 x 1.8 in)
Weight	380 g (13.5 oz)
Color	Gray
Case Material	ABS (UL 94V-0)
LED Indicator	Bicolor (green/red)
Sounder	Piezo
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	5% to 95% (relative humidity non-condensing)
Maximum Distance Between:	
Controller and Proximity Reader	150 m (500 ft), 2 twisted pairs, solid conductor #22AWG unshielded
Controller and Relay Module	150 m (500 ft), 2 twisted pairs, solid conductor #22AWG unshielded
Relay Module and Power Supply	150 m (500 ft), 1 pair, solid conductor #18AWG unshielded
Recommended Power Supply	12 VDC, 1A
Door Contact Input	NO or NC selectable
Request-to-Exit Input	NO or NC selectable
Relay Output	
(Strike Relay, Alarm Relay, Relay-1)	Form C, NO and NC, 3A, 24 VDC
Strike Relay Timer	1 to 255 sec
Alarm Relay Timer	1 to 255 sec
Relay-1 Timer	1 to 255 sec
Door Ajar Timer	1 to 255 sec
Audit Trail	On unit, last 385 cards
Compatible Cards	ioProx cards P10SHL, P20DYE, P30DMG, P40KEY and P50TAG
Certifications	CE, FCC



Ordering Information

SA-500EN	Stand-alone controller with integrated proximity reader
SA-600EN	Stand-alone controller with external proximity reader
SA-RM56	Additional relay module
P10SHL	Standard ioProx proximity card
P20DYE	Thin ioProx proximity card, front/back surface glossy for Dye-Sub printing
P30DMG	Dye-Sub Card with mag stripe
P40KEY	ioProx proximity keytag
P50TAG	ioProx self-adhesive tag



*Reader and cards are not shown to scale.

(1) Reduced read range with keytag, Dye-Sub card and tag.

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