



ACCESS CONTROL SYSTEM



Flexible, Expandable, Economical.

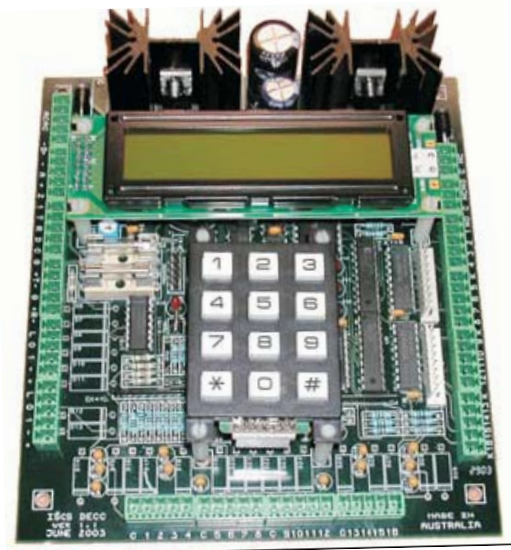
The i-Pass system comprises of the i-Pass controller built with state of the art technology to provide reader access for up to 16 doors and 32 elevator levels with pre-configured intercom override and built in support for most reader technologies such as Proximity, Magnetic Stripe, Keypad, Biometric Contactless Smartcard technology and Long Range i-Key RF.

System setup and programming can be carried out with the on board LCD Screen and keyboard, or via the optional i-Pass XS Software package for Windows compatible systems. Remote i-Pass controllers can also link back to the i-Pass XS Software package by dial up modem or an optional TCP/IP interface unit.

The i-Pass architecture allows the installer to easily expand the system by simply adding cost effective i-Pass Smart Modules for additional readers, inputs and outputs and lift modules.

Features

- 16 reader access control system
- Built in Elevator Control, for up to 32 Levels
- Two Wiegand reader ports on board
- Optional RMS Caravan Park System Interface
- Incorporates keypad/LCD for programming and control
- 16 on-board inputs
- 2 relays, SPDT 12A @ 24VDC
- 16 Open Collector Outputs
- Battery charge circuit on board
- Communications: 1 x RS-232 + 1 x RS-485
- Expansion via RS485
- Dial up Modem or optional TCP/IP interface
- Removable terminal blocks
- 2,000 users
- 2,000 history buffer capacity
- Advanced Atmel processor
- Optional i-Pass XS Windows® compatible Access Control Software
- Easy-to-order starter and expansion kits
- Competitively priced
- Quick Start System Setup
- Anti-Passback and multiple parking area control



Part #'s

- **i-Pass-Tech** Technician Software
- **i-Pass-XS** End user Software, database and audit trail.
- **i-Pass I** i-Pass Series I Controller supplied as a PCB. 2 Card Reader capacity. Integrated keypad and LCD screen on board. Supplied with plug pack, serial cable and technician's software.
- **i-Pass II** i-Pass Series II Controller supplied as a PCB. 16 Card Reader and Dial Up Modem capacity. Integrated keypad and LCD screen on board. Supplied with plug pack, serial cable and technician's software. Lift control functionality for up to 32 floors.
- **i-Pass III** i-Pass Series III Controller in lockable cabinet complete with membrane programming keypad and LCD display. 16 Card Reader and Dial Up Modem capacity. Supplied with plug pack, serial cable and technician's software. Lift control functionality for up to 32 floors.
- **i-Pass IV** i-Pass Series IV Controller supplied as a PCB. 16 Card Reader capacity. RMS Caravan park or Projection Management Interface. Supplied with plug pack, serial cable and technician's software.
- **i-Pass-Kit** 2 x iPass Readers and 10 proxcards.
- **i-Pass-Cab** Lockable cabinet for i-Pass controller and modules.
- **i-Pass-RIM** 2 Reader Wiegand Interface with 4 inputs and 2 relay outputs.
- **i-Pass-RIM-B** Box to mount rim PCB
- **i-Pass-I/O-4** 4 Input 2 Output Extension
- **i-Pass-I/O16** 16 Input/Output module
- **i-Pass-Relay** 8 Way Relay Board, connects to i-Pass controller open collectors

i-PASS SPECIFICATIONS

Power Supply	16 VAC, 1.5 Amp
Battery charging circuit	13.8V/DC adjustable, suitable for 7AH gel cell battery
Maximum reader current	5V/DC 500mA, 13.8V/DC 500mA
Reader technologies	Proximity/i-key/Mifare/Keypad/i-Class/Biometrics
Reader inputs	Standard 2 Wiegand on board, expandable to 16 by i-Pass RIM
Card capacity	2,000 Standard
History buffer capacity	2,000 Standard
Door and alarm outputs	2 Relay, SPDT 1A at 24VDC
Outputs	16 Open collector outputs on board (expandable to 256)
Inputs	16 On board (expandable to 256)
Real time clock/lithium battery	On board
Lift floor release inputs	32
Access levels	64
Time zones	32
Holidays	32 (Day, month and year)
Parking areas	64
Timer ranges	1 - 65,535 seconds
Comm. ports	1 x RS232 1 x RS485
Cable length to Wiegand readers	max. 150 metres (shielded)
Cable length to RS485 readers	max. 1000 metres (twisted/shielded)
Cable length to comm.	max. 15 metres (shielded)

*Note: Technical Specifications are subject to change without prior notice

i-Pass Readers Credentials and Accessories

i-Pass smart card readers and cards make access control more powerful, versatile and most importantly combine the convenience of a prox system with the security of a smart-card system at an unbeatable price.

i-Pass readers add an authentication layer to ensure that only compatible *i*-Pass cards will pass through to the access control system. This is a substantial improvement over traditional 'open' card/reader formats.

Smart cards can be multifunctional, with one card operating many systems. *i*-Pass access control data only uses a small part of the smart card capacity.



***i*-Pass Credentials**

Credentials available in Clamshell, ISO, Keyfob and Micro Disc

Part #'s

i-Pass Card - Clamshell Card

i-Pass ISO - Direct Printable ISO Card

i-Pass KF - Keyfob

i-Pass Disc - Self Adhesive Disk

***i*-Pass Smart Card Readers**

Features

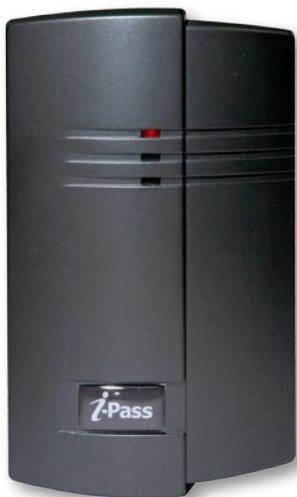
- Authenticated *i*-Pass code enhancing security
- Standard Wiegand output to any access control system
- Extra capacity for integration with other systems on the one card
- Fully potted electronics for indoor and outdoor use
- Credentials available in Clamshell, ISO, Keyfob and Micro Disc!



***i*-Pass Mullion Reader**

Part # i-Pass ReaderRM

Transmit Frequency:	13.56MHz
Power:	12V DC, 30-80mA
Output:	26 bit Wiegand, other formats available
Dimensions:	120(L) x 45(W) x 22(H) mm
Operating Temperature:	-10°C to +55°C
Operating Humidity:	5% to 98%
Weight:	130g
Cable Distance:	500 feet (150 meters)
Colour:	Grey



***i*-Pass Switchplate Reader**

Part # i-Pass ReaderRS

Transmit Frequency:	13.56MHz
Power:	12V DC, 30-80mA
Output:	26 bit Wiegand, other formats available
Dimensions:	124(L) x 75(W) x 22(H) mm
Operating Temperature:	-10°C to +55°C
Operating Humidity:	5% to 98%
Weight:	130g
Cable Distance:	500 feet (150 meters)
Colour:	Grey



i-Pass Backlight Vandal Resistant Keypad

Part # i-Pass KP-BL

Smooth attractive design, with all-weather indoor and outdoor operation. Backlit and vandal resistant metal construction 3-digit programmable facility code supports 4-digit to 8-digit PIN codes.

Power:	5 to 16V DC
Output:	26 bit Wiegand
Dimensions:	120(L) x 76(W) x 21(H) mm
Operating Temperature:	-30°C to +65°C
Operating Humidity:	0% to 95%
Weight:	480g
Cable Distance:	500 feet (150 meters)
Colour:	Silver

i-Key Long Range Receiver

Part # i-Key RX

Just one product and with the touch of a button, the i-key is the smart and simple way to control access to your secure areas such as boom gates, rising barriers and doors.



Frequency:	433.92MHz
Power I/P:	9~12 VDC
Current:	20mA (Typical)
Range:	25 Meters (Typical)
Wiegand O/P:	2 (1 for each button)
Output:	26Bits Wiegand, other formats available
Dimensions:	127(L)x100(W)x46(D)
Operating Temp:	-10°C ~ +60°C

i-Key Long Range Transmitter

Part #

i-Key TX - i-Key Pendant

i-Key TX/H - i-Key Pendant HID

i-Key TX/I - i-Key Pendant Indala

i-Key TX/EM - i-Key Pendant EM

i-Key TX/K - i-Key Pendant Keri

i-Key TC/M - i-Key Pendant Mifare

i-Key TC/I-C - i-Key Pendant iCLASS

i-Key TX/T - i-Key Pendant Tecom



Void and Validate an i-Key pendant in your access control system just like a prox card. i-Key supports reader technologies such as HID, Indala, EM and Keri proximity along with Mifare, iCLASS and Tecom smartcard technology to work just like a prox card.

Frequency:	433.92MHz
Buttons:	1 Dimpled, 1 Normal
Status:	Red LED
Battery:	12V/23A
Prox Compatible:	HID, Indala, EM, Keri, iCLASS, Mifare, Tecom.
Colour:	Black
Dimensions:	54(L)x38(W)x15(D)

i-Pass Partners



www.ClockOn.com.au



www.rms.com.au



www.projection.com.au

i-Pass Mini - Stand-Alone System



Capacity: Up to 150 cards/PINs (Combination)

Features:

Two door controller. Each door has:
1 x Wiegand reader port
1 x Door latch relay
1 x Open collector output for alarm siren
1 x Request to exit input
1 x Frame sense input

- Accepts common card/keypad formats (pre-configured for 26 bit cards).
- Learning mode for added cards/PINs (software not required).
- RS232 interface cw/ programming software.
- Non-volatile memory.
- Configurable door unlock time.
- Configurable shunt (door-open) time.
- Configurable alarm time.
- Pulse/toggle mode per door.
- Configurable Wiegand format (up to 16 bit site code, up to 20 bit card number).

Specifications:

Input Power: 12V DC @ 500mA (max)
Auxiliary Reader Supply: 12V/5V (switchable) @ 400mA

i-Pass Mini Package Includes:

1 x Stand-Alone controller (can expand to 2 doors with an additional reader)
1 x Mullion or Switchplate reader
10 x i-Pass Clamshell Cards
1 x Power Supply with battery backup capabilities
1 x Programming Software
1 x RS232 cable

Parts #'s

i-Pass Mini M	i-Pass Mini Package (Mullion Reader)
i-Pass Mini S	i-Pass Mini Package (Switchplate Reader)
i-Pass Reader R M	Additional Mullion Reader
i-Pass Reader R S	Additional Switchplate Reader
i-Pass Card	Additional Clamshell Cards



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