

IC PRO

Intelligent Controller

The IC Pro controller excels in extremely demanding security installations requiring very large databases. The controller is specially suited when superior processing power and speed are critical to handle hundreds of thousands of card holders and events in memory.

Key Features

- 2 door/ 4 reader controller (IC PRO-2)
- 4 door/ 4 reader controller (IC PRO-4)
- 64,000 cardholders standard (upgradable to 266k)
- 308,000 dynamic event buffer
- Fast processing and communication
- Redundant communication bus (option)
- Built in TCP/IP interface (option)
- 8 inputs, 4 relay outputs
- FLASH upgradable memory
- Full LED diagnostics

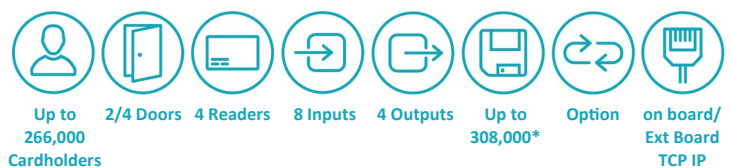
The IC PRO 4mb RAM can be dynamically allocated between card holders and events buffer. This enables the IC PRO controller to handle capacities such as 266,000 card holders or 400,000 events, with a badge reading time of around 20 msec.

The IC PRO controller completes Sensor Access's range of products and is aimed at very high security installations with thousands of card holders and events in memory and installations that request TCP/IP network management.

Communication channels are multiple:

- Serial RS232 or RS485 communication port
- Optional second RS485 communication bus specially developed for redundant communication, alarm event mode, global reflex without PC, global APB without PC or satellites connection
- Third RS232 or RS485 serial port for specific applications, such as the connection to serial badge reader
- TCP/IP on-board interface in option

This bi-processor solution optimises the use of the capacity of each processor, while minimising overload tasks.



* Expandable dependant on cardholders



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Technical Specification

Controller Specification

Number of Doors	2/4
Number of Readers	4
Relay Outputs	4
Alarm Input	8
Event History	308,000
Card Holders	64000 (upgradable 266K)

Physical

ICPRO 2 - E5	340 (H) x 430 (W) x 85 (D)
ICPRO 2 IP- E5	340 (H) x 430 (W) x 85 (D)
ICPRO 4 - E5	340 (H) x 430 (W) x 85 (D)
ICPRO 4 IP - E5	340 (H) x 430 (W) x 85 (D)

Environmental

Operating Temperatures 0°C to +70°C

Electrical

Power Supply	12vDC
Input Current	120mA @ 12vDC
Battery Backup	12vDC 7.2Ah

Operational

Communication RS232, RS485, TCP/IP

E5 Power Supply Enclosure

Total Available Current	5 Amp
Number of 12vDC outputs	7 or 8
Maximum lock power	1.6 or 0.8 Amp per lock



Part Numbers

ICPRO 2 E5	High Capacity 4 reader 2 Door controller & 5 Amp PSU
ICPRO 2 IP E5	High Capacity 4 reader 2 Door controller with IP & 5 Amp PSU
ICPRO 4 E5	High Capacity 4 reader 4 Door controller & 5 Amp PSU
ICPRO 4 IP E5	High Capacity 4 reader 4 Door controller with IP & 5 Amp PSU



Typical Applications

- Government
- Defense Applications
- Commercial and blue chip sites