IC 2001
Intelligent Controller

The IC2001 controller suits all high security environments, requiring integrated on-line access control and alarm monitoring from medium size to complex multi-site installations.

Key Features

- 2 door/ 4 reader controller
- 20,000 cardholders standard (upgradable to 120k)
- Redundant communication bus (option)
- Plug-in input, output and TCP/IP on board option
- Compatible with many types of reading technologies
- 8 inputs, 4 relay outputs
- 3 additional inputs for monitoring PSU, Battery and Tamper.
- FLASH upgradable memory
- Full LED diagnostics

The IC2001 intelligent controller is a cost effective solution to manage 2 doors with reading in and out.

High capacities are reached via the IC2001's RAM, the standard IC2001 can be upgraded to 32,000 cardholders, otherwise a bigger 2MB RAM is used at the manufacturing stage to give the user the option to upgrade to 120,000 cardholder.
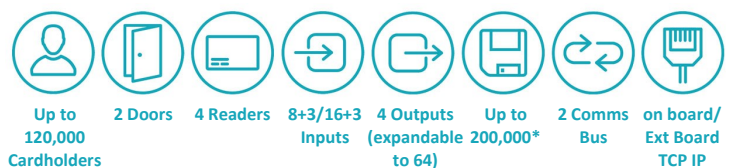
The controller has 8+3 inputs & 4 Outputs

All 8 inputs are supervised, 4 state. It can be extended to 16 inputs & 64 outputs with the addition of a plug in extension board and 3 satellites extension Boards. The 3 additional default inputs are used for cabinet tamper, battery low and power fail monitoring.

Multiple communication channels:

* Serial RS232 or RS485 communication port
* Optional second RS485 communication bus specially developed for redundant communication,
* TCP/IP interface available from on board built in interface or a plug in extension board

Boosted communication security is achieved through an optional second serial bus for communication with the host. Communication encryption and use of specific technologies, providing maximum protection against communication loss which also reinforces the security

Up to 120,000 Cardholders	2 Doors	4 Readers	8+3/16+3 Inputs	4 Outputs (expandable to 64)	Up to 200,000*	2 Comms Bus	on board/ Ext Board TCP IP

* Expandable dependant on cardholders

Technical Specification

Controller Specification

Number of Doors	2
Number of Readers	4
Relay Outputs	4
Alarm Input	8+3
Event History	200,000
Card Holders	20,000 (upgradable 120K)

Physical

IC2001 E5	340(H) x 430(W) x 85(D)mm
IC2001IP E5	340(H) x 430(W) x 85(D)mm

Environmental

Operating Temperatures	-10°c to +55°c

Electrical

Power Supply	12vDC
Input Current (TCP/IP)	400mA @ 12vDC
Battery Backup	12vDC 7.2Ah
Available Current PSU	5 Amp @ 12vDC

Operational

Communication	RS232, RS485, TCP/IP

Part Numbers

IC2001 E5	4 Reader Controller for 2 doors inc 5 Amp PSU
IC2001 IP E5	4 Reader Controller for 2 doors with IP inc 5 Amp PSU

Typical Applications

- Education facilities
- Health Care and hospital applications
- Commercial and blue chip sites