

# IC 4001

## Intelligent Controller

The IC4001 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

- 4 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 IC4001 intelligent controller is a cost effective solution to manage 4 doors with reading in only.

**High capacities** are reached via the IC4001's RAM, the standard IC4001 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.

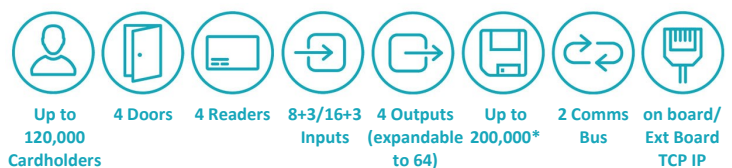
### The controller has 8+3 inputs & 4 Outputs

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



\* Expandable dependant on cardholders



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### Technical Specification

#### Controller Specification

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

#### Physical

IC4001 E5	340(H) x 430(W) x 85(D)mm
IC4001IP E5	340(H) x 430(W) x 85(D)mm

#### Environmental

Operating Temperatures	-10°C to +55°C
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#### 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
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### Part Numbers

IC4001 E5	4 Reader Controller for 4 doors inc 5 Amp PSU
IC4001 IP+ E5	4 Reader Controller for 4 doors with IP inc 5 Amp PSU

### Typical Applications

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

