



Intelligent Door Controller

I-NET IDC

The I-Net Intelligent Door Controller (IDC) by Controlsoft provides a single board solution for interfacing one or two doors to a Controlsoft Lite or Pro system. In addition, other I-Net Intelligent Door Controllers, AC-3151 Door Controllers and AC-4311 I/O Controllers can be added on the I-Net IDC's downstream RS485 ports to expand its capabilities.

The I-Net IDC revolutionizes an access control system architecture by allowing Ethernet connectivity directly from a door location to the Controlsoft Software Server, while still providing the security, functionality and modularity of Controlsoft's proven hardware platform. The I-Net IDC is scalable for any access control application, from the most basic to the most sophisticated. In the event of communication loss, the I-Net IDC allows all local functionality to continue unimpaired until the server connection is restored.

The I-Net IDC can communicate upstream to the Controlsoft Lite or Pro Server PC through its Ethernet port, or wireless (802.11g) through its USB port (requires USB wireless antenna) or using an RS232 / USB communication cable directly or through an external dial-up modem. The downstream three wire RS485 port can be used to connect up to 15 I-Net IDC's (max 32 readers).

Two onboard reader ports support Wiegand or Clock & Data or RS485 readers. The I-Net IDC includes five inputs that support normally open and normally closed circuits. In addition, four output relays support fail-safe and fail-secure operation.

Features and Functionality

Controller Functionality

- On-board 10/100 Base-T port. DHCP and Fixed IP addressing supported.
- 16MB of available on-board, non volatile-flash memory.
- Battery-backed, non-volatile storage of 100,000 cardholders and events.
- RS485 port A for connecting RS485 readers, AC-3151 Door Controllers and AC-4311 I/O Controllers.
- RS485 port B for connecting additional Intelligent Door Controllers.
- USB port for wireless (802.11g) connectivity or additional memory.
- SD Card Slot for additional memory.
- Five inputs (normally open and normally closed) for tamper, power failure, door contact supervision, REX push button.
- Four output relays (fail-safe and fail-secure).
- Two reader interface ports.

Reader Interface Functionality

- Wiegand.
- Clock & Data.
- RS485.
- On-board regulator allows 12vdc reader power.



Ordering Information:

Part Number: CS-IDC-200
Controller PCB Only

Part Number: CS-IDC-210
Controller, boxed

Part Number: CS-IDC-203
Controller, boxed with 3A PSU

Part Number: CS-IDC-204
Controller, boxed with 3A PSU
and 7Ah Battery

Part Number: CS-IDC-205
Controller, boxed with 5A PSU

Part Number: CS-IDC-206
Controller, boxed with 5A PSU
and 7Ah Battery



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