

C3-100

IP-Based Door Access Control Panel



Choice of Readers:

Full range of card readers supported. ZK KR-Series readers are stylish and waterproof. C3 supports any wiegand-output reader, including HID Prox, iClass, and XceedID Multi-Technology. Can also support PIV-II card readers for FIPS-201 Government applications.



Door Control and More:

Along with relay contacts for controlling door locks, easily programmable auxiliary relays can be used for additional control and interface to lights, alarms, annunciators, intrusion detection panels, or even extra locking devices or gate controllers.



Communication:

C3 controllers install easily on your network and support both TCP/IP and RS-485 communication. Auto-discovery tool allows setting and modification of network parameters directly and easily.



Options:

C3 controllers come in three sizes to suit project needs and reduce the cost of unused capacity. 1-door, 2-door, and 4-door models can be mixed and matched in an optimized system architecture.



Lowest Total Cost of Ownership:

C3 controller firmware can be upgraded in the field. New controller features can be loaded without any advanced tools, extending and expanding the value of your investment.



Advanced Access Control Built-In:

Anti-Passback, First-Card Opening, Multi-Card Opening, Duress Password Entry, and Auxiliary Input/Output Linkages are built into controller firmware..



Capacity:

Supports up to 30,000 badge users and stores up to 100,000 events and transactions. Controller is backed up in real-time in on-board optional SD card. Data is preserved if power is lost. Controller continues to operate if network connection is interrupted.



For Software Developers:

Free SDK is available for integrators and OEM's to integrate the C3 controllers with their or existing security or personnel management applications. Upon request, ZK can also customize C3 firmware to meet any custom requirements.

Optional Accessories



FR1200



ZK4000



RFID Reader



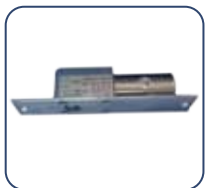
K1-1



Power Supply



SD Card



Electric Lock



RS232/485
Converter



Alarm



POE



Discs



Prox Card



Key Fob

Specifications

Capacity

- Users: 30,000
- Event Buffer: 100,000 transactions

CPU

- 32bit MIPS CPU

RAM

- 32M

Flash Memory

- 256M

Communication

- RS485
- TCP/IP

Reader Port

- 2 each
 - 26/34bit Wiegand
 - 8bit burst for PIN

Input Port

- 2 each
 - Exit button #1
 - Door Sensor #1

Output Port

- 1 each
 - 1 FORM-C Relay Output
 - SPDT 5A@36V DC or 8A@30V AC
- 1 each
 - 1 Aux FORM-C Relay Output
 - SPDT 2A@30V DC

Baud Rate for RS485

- 9600-28400 baud

LED Indicator

- indication for communication, power, status and prox card

Power

- Power Supply: 9.6V-14.4V DC, 1A

Environment

- Operating Temp: 32-113 °F (0-45 °C)
- Operating Humidity: 20% to 80%

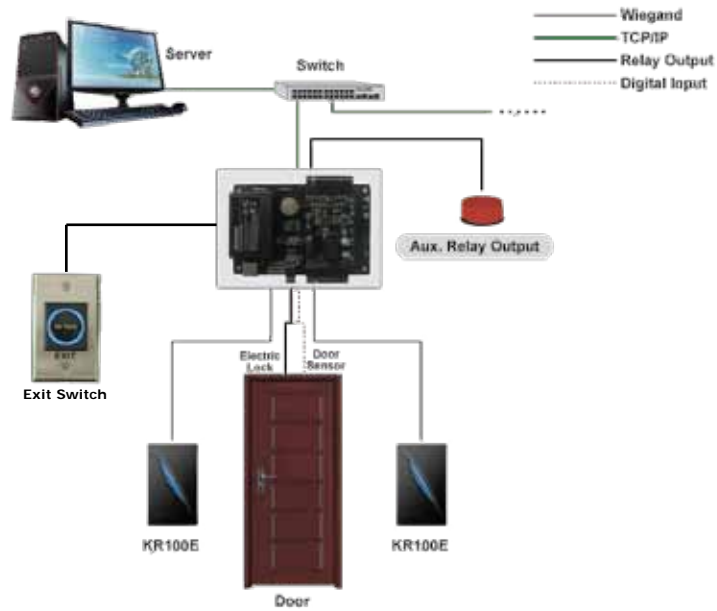
Dimensions

- Length: 10" (160 mm)
- Width: 6.6" (106 mm)

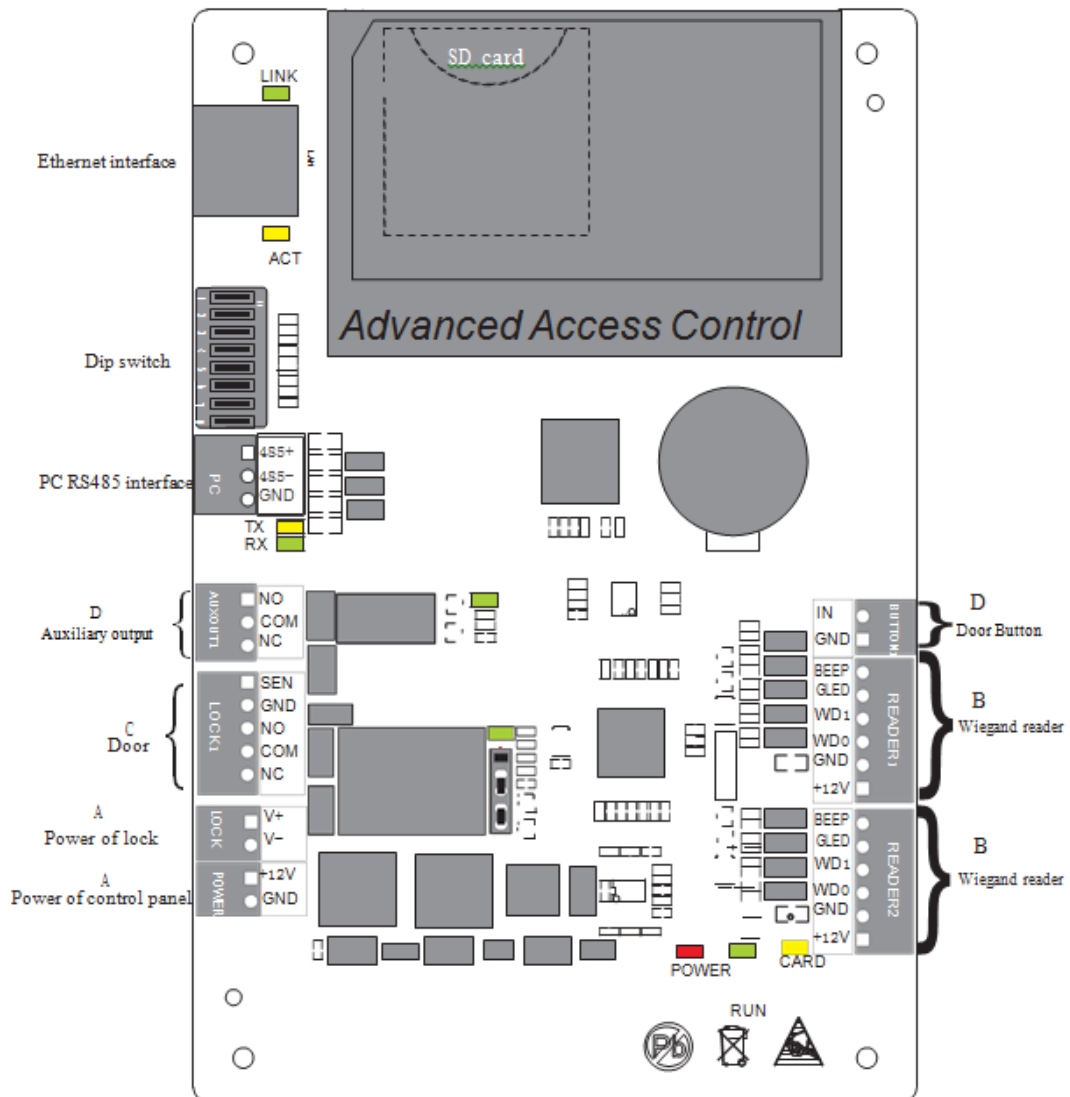
Packaging


- Dimensions: 15in x 3in x 11in
(380mm x 80mm x 280mm)
- Weight: 7.4 lbs (3.35 kgs.)

Typical Installation



Schematic



| <p>C3-100 Bundle</p>  | Item | Description | Quantity |
|---|--------------|--|----------|
| | C3-100 | Control Panel | 1 ea |
| | Case01 | Metal Case | 1 ea |
| | ZKPSM030B | Power Supply, DC12V/3A, Available to charge for battery back-up | 1 ea |
| | FR107 | Diode for Lock | 1 ea |
| | Key | Key Metal Case | 2 ea |
| | ZKAccess CD | Access Software for Control Panel, User Manual | 1 ea |
| | Gross Weight | 3.35kg | |
| | Size | 380(L) * 80(H) * 280(W)mm | |

| MODEL NUMBER | C3-100 | C3-200 | C3-400 |
|-----------------------------|---|---|---|
| Number of doors controlled | One door | Two Door | Four Door |
| Number of readers supported | 2 | 4 | 4 |
| Types of readers supported | 26-bit Wiegand, others upon request | 26-bit Wiegand, others upon request | 26-bit Wiegand, others upon request |
| Number of Inputs | 2 (Exit Device and Door Status) | 6 (2 Exit Device, 2 Door Status, 2 AUX) | 12 (4 Exit Device, 4 Door Status, 4 AUX) |
| Number of Outputs | 2 (One Form C relay for lock and one Form C relay for Aux output) | 4 (2- Form C relay for lock and 2- Form C relay for Aux output) | 8 (4- Form C relay for lock and 4- Form C relay for Aux output) |
| Card Holders Capacity | 30,000 | 30,000 | 30,000 |
| Log Events Capacity | 100,000 | 100,000 | 100,000 |
| Weight | 7.4lbs (3.35kg) | 7.5lbs (3.4kg) | 7.8lbs (3.55kg) |
| Communication | TCP/IP and RS-485 | TCP/IP and RS-485 | TCP/IP and RS-485 |
| Dimensions | 380mm(L) X 80mm(W) X 280mm(H) | 380mm(L) X 80mm(W) X 280mm(H) | 380mm(L) X 80mm(W) X 280mm(H) |
| Enclosure | Stainless Steel | Stainless Steel | Stainless Steel |
| Mounting | Wall Mount | Wall Mount | Wall Mount |
| Recommended Power Supply | 12V DC, 1.5A | 12V DC, 1.5A | 12V DC, 1.5A |

ZK Access

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