# C3 Series
## Access Controller

ZKRADIO



C3-100                    C3-200

## Overview

C3-100 single door / double door controller, using 32-bit 400MHZ high-speed CPU, with 32MBits RAM, 256MBits Flash, embedded Linux operating system. It adopts the dual communication technology of Ethernet and RS485 industrial bus to connect the background management system. The card reader is connected to the input device and output device through the controller to form a complete control system to realize high-security access control and intelligent management of entrances and exits.

## Model

| Model | Description |
|-------|-------------|
| C3-100 | Controller for single door , TCP/IP, RS485 communication mode, single door swiping card to enter and exit, exit button |
| C3-200 | Controller for double door , TCP/IP, RS485 communication mode, two doors swiping card to enter and exit, exit button |

# Features

1. Support TCP/IP, RS485 industrial bus dual communication technology to ensure the reliability of communication
2. Built-in hardware watchdog to prevent crashes
3. The power input of the controller has overcurrent, overvoltage, and reverse voltage protection
4. The power supplied to the reader has overcurrent protection
5. All input/output ports/communication ports have transient overvoltage protection
6. Support a variety of Wiegand card formats, support password keyboard, compatible with various cards
7. Multiple functions: anti-submarine, interlock, linkage, multi-card door opening and remote door opening and closing
8. Powerful linkage function: support hardware trigger and event trigger, such as door status, card status, input and output points and card number combination linkage
9. Multi-person and multi-group card swiping: multi-card in one group (any two persons in group A open the door) or multi-card opening between cross-group(one person in group A + one person in group B open the door)
10. First card keep door open: within the set time period, the door will be kept open after the first card is swiped
11. APB: support APB (anti-tailing) function, support two-way and cross-door position regional APB
12. Interlock : interlock of any combination of multi-door controllers, only one door one time;
13. C/S management system: provide ZKAccess3.5 access manage software, which integrates Human Affairs, access control, and attendance, and is a professional access control management system.

# Product Parameters

| Item | Description | |
|---|---|---|
| Model | C3-100 | C3-200 |
| Product Range | Controller for single door | Controller for double door |
| Communication | TCP/IP、RS485 | TCP/IP、RS485 |
| Control lock output | 1 | 2 |
| Wiegand readers | 2 | 4 |
| Aux in | None | 2 |
| Aux out | 1 | 2 |
| Size | 160*106*1.6mm | 160*106*1.6mm |
| Functional Description | Single door ,swipe card to in and out, exit button | Double door ,swipe card to in and out, exit button |
| Memory | Card capacity：30,000 log capacity：100,000 | |
| Operating temperature | temperature：0℃-55℃ humidity：10%-80% | |
| Power supply | voltage 12V(±20%)DC，current≤0.5A | |
| Lock relay output | Max switching voltage：36V（DC），Max switching current：5A | |
| Aux relay output | Max switching voltage：36V（DC），Max switching current：2A | |

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