



# Access Control System

## Door Controller

AC-ACNC4

4-Door Network Controller



### Key Features:

- ▲ Rich product architecture, with up to 8 card reader interfaces implemented flexibly through RS485 serial ports, enabling bidirectional access control for 4 doors
- ▲ It supports storage of complete access control for up to 250,000 cardholders
- ▲ There is support for recording up to 100,000 offline card swipes and door opening events.
- ▲ All activities are reported to the host system, including supervised inputs/alarms with 255 priority levels
- ▲ The system can operate offline for all access control decisions and event logging even without communication with the host access control software application
- ▲ It provides 4 Wiegand interfaces and 4 serial interfaces for connecting card readers, allowing for greater flexibility to accommodate various types of card readers
- ▲ The system implements dual-door monitoring, dual REX switches, and customizable 4-channel inputs for events such as AC failure, battery failure, and tamper alarms

### Specification:

Model	AC-ACNC4
Processor	Industrial-grade NXP i.MX6UL chip with Arm® Cortex®-A7 core, running at a speed of 696 MHz, 32-bit processor
Installation	Installed on any wall with four screws or mounted on a standard 35mm DIN rail
Dimensions	150mm (width) x 130mm (height) x 60mm (depth)
Weight	395 grams (net weight), 541 grams (gross weight)
Casing Material	Made of polycarbonate
Operating environment	Indoor, or inside a cabinet that complies with NEMA-4 standards
Operating environment temperature	0°C to 50°C
Operating environment humidity	5% to 85% (non-condensing)
Communication Ports	10/100 Mbps Ethernet interface, CAN bus
Operating VDC/Current (max)	Power input: 12VDC/2.5A; Lock output: 12VDC/4A
Wiegand/RS485 Reader Interface	Each 12VDC output supports a maximum current of 0.5A
SIA standard Wiegand/serial card reader interface	Four ports SIA available for each interface
Lock input and output VDC	12VDC
Lock output current per port (max)	1A
Certificates	RoHS, EMC, CE, FCC



## Ordering Information

Ordering model	Description
AC-ACNC2	2-door network controller, 2 electric locks, providing 2 Wiegand interfaces and 2 RS-485 interfaces to connect card readers
AC-ACNC4	4-door network controller, 4 electric locks, providing 4 Wiegand interfaces and 4 RS-485 interfaces to connect card readers
AC-ACNC32	32-door network main controller, capable of connecting to sixteen 2-door bus expansion modules (AC-ACEM2) or eight 4-door bus expansion modules (AC-ACEM4), controlling up to 32 doors. It has 32 Wiegand interfaces and 32 RS-485 interfaces to connect card readers
AC-ACNC2P	Enhanced 2-door network controller, 2 electric locks, providing 2 Wiegand interfaces and 2 RS-485 interfaces to connect card readers. It can also accommodate 4 input interface modules or 4 output interface modules, each with 64 ports, allowing for flexible implementation of scenarios such as access control or centralized alarm systems

## Appearance & System Overview

