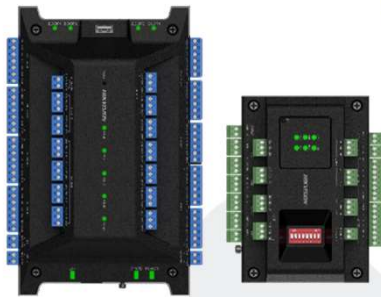


# Access Controller

**DS-K2700X Series  
+ DS-K2M002X**





# CONTENTS

**Background**

Part.01

**Product Introduction**

Part.02



# Background

# Background- *Why do we need K2700X*



RS485 Cascading



Web Configuration



Cloud-based Application



Not compatible with rail installation



**K26 Series**



**K27 Series**



**RS485 Cascading up to 128 doors**



**Easy Web Management**



**Cloud-based Software Management**



**Flexible Installation Methods**

Compatible with both rail and chassis installation methods.

1/2/4

Doors control

100,000

Cards

300,000

Events

**MAX.128**

Doors control *(with 62 access modules)*

**200,000**

Cards

**600,000**

Events



# Product Introduction

# Model Show

## Main Board



DS-K2701X(P)



DS-K2702X(P)



DS-K2704X(P)



DS-K2702WX-E1(P)

## Controller with Enclosure



DS-K2701/2/4X



DS-K2702WX-E1



DS-K2708X\*

## Access Module



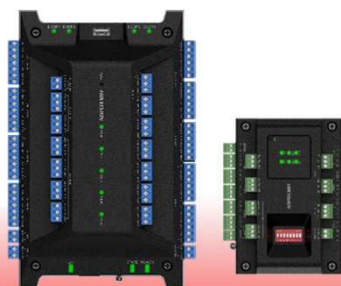
DS-K2M002X

*\*Note: the above pictures are all schematic diagrams of the device, excluding cables.*



# Product Overview

Main controller  
DS-K2700X



Access module  
DS-K2M002X



## Easy to Manage

- Easy Web Configuration: All configurations can be realized via web without software application
- Support HCP V2.5/HCAC V2.2 configuration
- Support HC 6.X team configuration
- Support mobile app



## Easy to Use

- Flexible installation: rail installation, enclosure installation
- Support POE (optional)
- Support LED indicator display



## Multiple Communication Methods

- Uplink: TCP/IP, Wi-Fi (optional)
- Downlink: Wiegand(custom format), RS485



## Professional and Powerful Access Control

- Multiple advanced access applications, such as multi-door interlocking, anti-passback, first person in, and multi-factor authentication
- Standard protocols such as OSDP&HTTPS
- RS485 redundant protection
- Support backup battery (need purchase)
- Event linkage

**MAX.128**

Doors (with 62 access modules)

**100,000**

Users

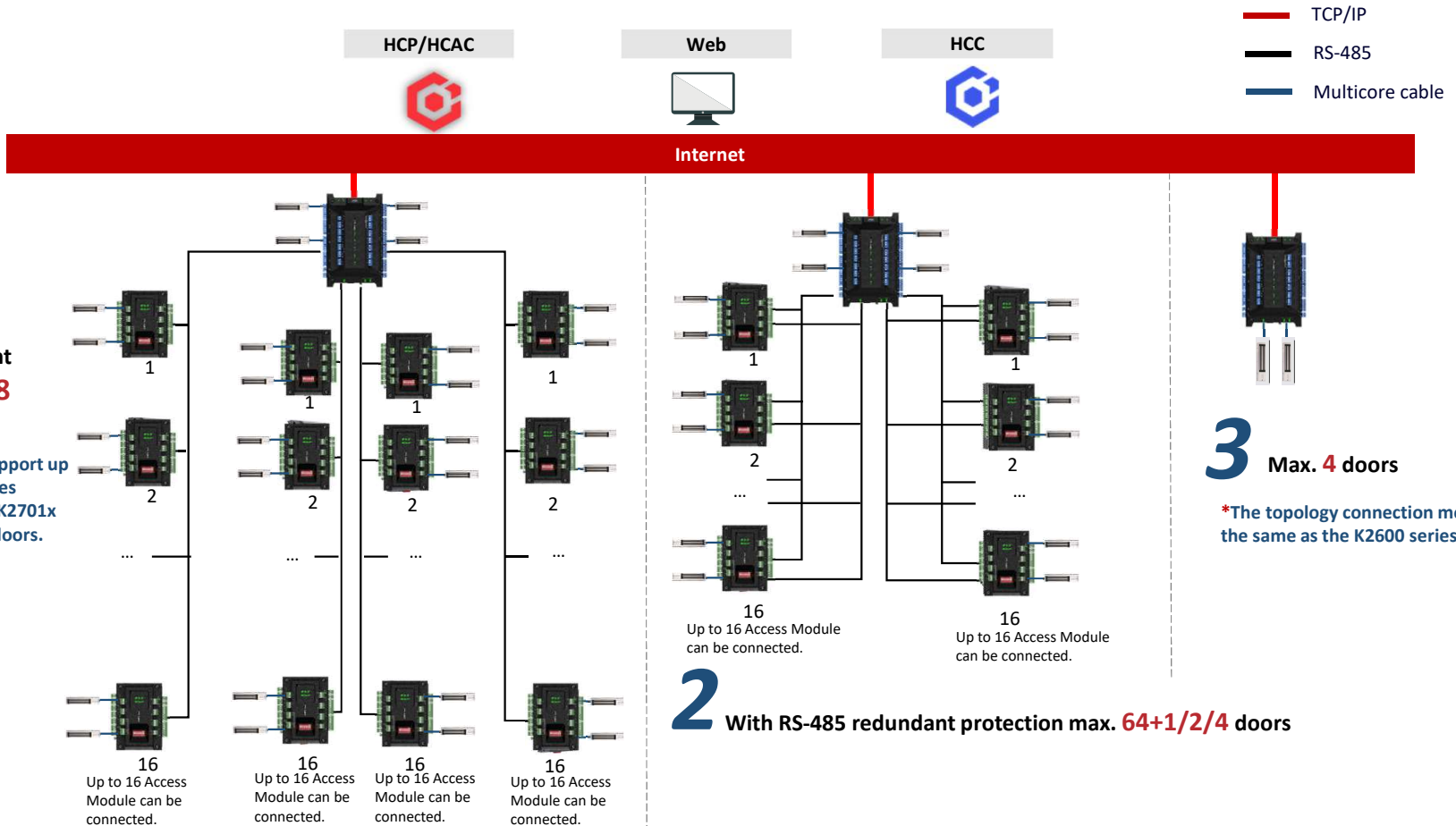
**200,000**

Cards

**600,000**

Events

# Topology



**1** No RS-485 redundant protection max. **128** doors\*

\*The DS-K2704X series support up to 128 doors; K2702X series support up to 126 doors; K2701x series support up to 125 doors.

**3** Max. **4** doors






\*The topology connection method is the same as the K2600 series controller.

**2** With RS-485 redundant protection max. **64+1/2/4** doors

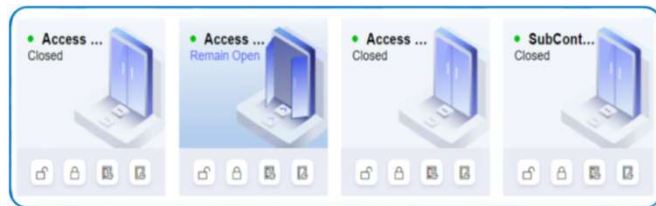
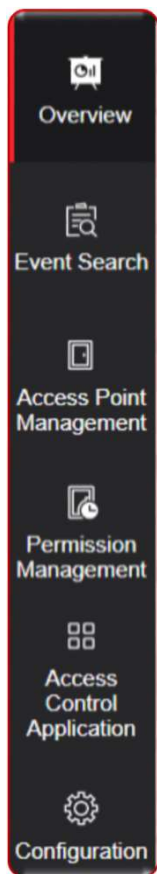
**Note:** 1 main controller supports 5 RS-485 connection, of which 4 are used to connect to the access module and 1 is used to make RS-485 redundant. It is recommended that you do not have more than 16 access modules attached to each loop bus.



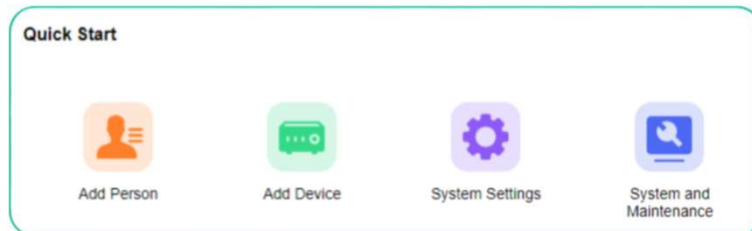
# Model Interface Show

	DS-K2701X series	DS-K2702X series	DS-K2704X series	DS-K2708X	DS-K2M002X
HD Image					
Network Interface	1	1	1	1	/
Lock Control	1	2	4	8(including 4 on access controller and 4 on access modules)	2
Button	1	2	4	8(including 4 on access controller and 4 on access modules)	2
Alarm In	2	4	8	16(including 8 on access controller and 8 on access modules)	4
Alarm Out	2	4	4	8(including 4 on access controller and 4 on access modules)	2
Fire Alarm	1	1	1	1	1
Wiegand	2	4	4	8(including 4 on access controller and 4 on access modules)	2
RS-485	7(2 for card reader, 5 for access modules)	7(2 for card reader, 5 for access modules)	7(2 for card reader, 5 for access modules)	15(including 7 on access controller and 8 on access modules)	4
USB	1	1	1	1	/

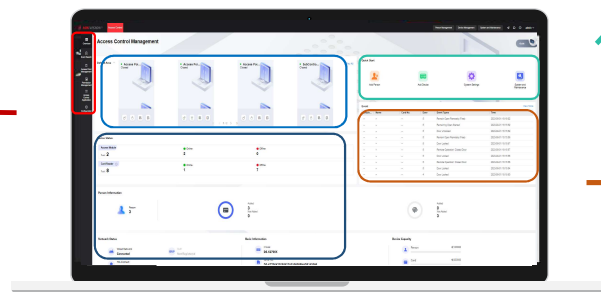
# Easy to Manage- Web Configuration (overview)



You can intuitively see the situation of each access point.



You can quickly find the module you want to configure in Quick Start.



Access Module	Online	Offline
Total: 2	2	0

Card Reader	Online	Offline
Total: 8	1	7

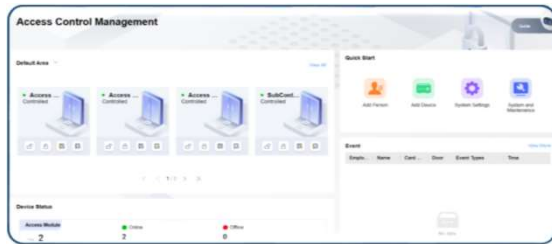
You can directly view the device/person/network status.

Employee ID	Name	Card No.	Door	Event Types	Time
--	--	--	1	Door Locked	2023-09-01 16:33:49
--	--	--	1	Door Unlocked	2023-09-01 16:33:44
888	Jasmine	1314165360	1	Authenticated via ...	2023-09-01 16:33:44
--	--	--	1	Door Locked	2023-09-01 16:33:40
--	--	--	1	Door Unlocked	2023-09-01 16:33:34
888	Jasmine	1314165360	1	Authenticated via ...	2023-09-01 16:33:34
--	--	--	3	Remaining Open ...	2023-09-01 16:33:00
--	--	--	3	Door Locked	2023-09-01 16:33:00
--	--	--	3	Remote Operatio...	2023-09-01 16:33:00
--	--	--	3	Remote Unlock	2023-09-01 16:32:58

You can directly view the event records.

# Easy to Manage- Web Configuration

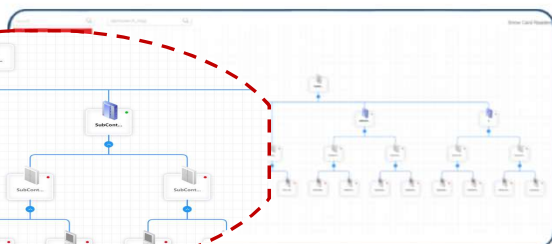
Overview interface



Event Search interface

Access Control Name	No.	Eventpoint ID	Name	Card No.	Event Type	Time	Access Module ID	Door	Card Number	Operation
Hygiene 01	1				Manual Logout	2023-09-01 10:00				
	2				Manual Logout	2023-09-01 17:00				
	3				Manual Logout	2023-09-01 17:00				
	4				Manual Logout	2023-09-01 17:00				
	5				Manual Logout	2023-09-01 17:00				
	6				Manual Logout	2023-09-01 17:00				
	7				Manual Logout	2023-09-01 17:00				
	8				Manual Logout	2023-09-01 17:00				
	9				Manual Logout	2023-09-01 17:00				
	10				Manual Logout	2023-09-01 17:00				
	11				Manual Logout	2023-09-01 17:00				
	12				Manual Logout	2023-09-01 17:00				
	13				Manual Logout	2023-09-01 17:00				
	14				Manual Logout	2023-09-01 17:00				
	15				Manual Logout	2023-09-01 17:00				
	16				Manual Logout	2023-09-01 17:00				
	17				Manual Logout	2023-09-01 17:00				
	18				Manual Logout	2023-09-01 17:00				
	19				Manual Logout	2023-09-01 17:00				
	20				Manual Logout	2023-09-01 17:00				

Access Point Management interface(only PC web support)



Permission Management interface

Time Schedule

Access Point Management

Holiday Schedule Management

Manage Access Permission

No.	Access Permission Name	Access Schedule	Access Point	Operation
1	test	Access Schedule 1	Access Point 1 Access Point 2 Access Point 3 Access Point 4	🔍 🔄 🗑️
2	test	Access Schedule 2	Access Point 1 Access Point 2 Access Point 3 Access Point 4	🔍 🔄 🗑️

Access Control Application interface (multiple authentication/interlocking/anti-passpack/first card)



Configuration interface

Configuration Management

Device Name: Access Point 1

Device Type: Access Point

Open Duration: 15

Door Open Timeout Alarm: 10

Door Magnetic Sensor Type: 1

Door Release Open Duration with IC: 10

Device Code: 12345678

Serial Password: 12345678

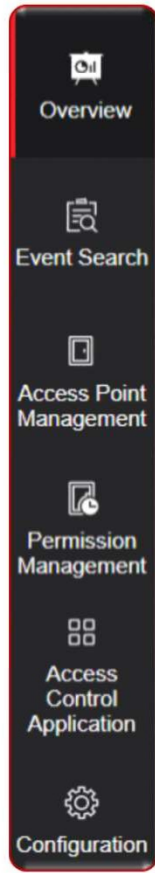
Device Code: 12345678

Save

Cancel

Only effective to users configured with extended open duration.

Extended Open Duration: 15



Note : ⓘ means explain and instructions

# Easy to Manage- Web Configuration (guide)



You can click the "Guide" and follow the wizard on the right to configure it step by step. Make it easy for the first time users to operate.

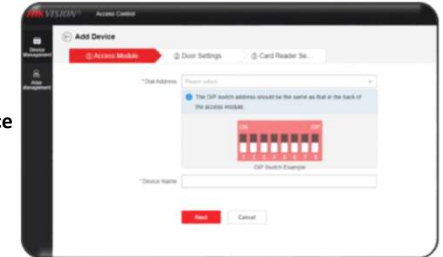
**. Device**  
Access permission will be applied to access control device via access controller.  
[Add Access Control Device ...](#)

**. Person**  
You can add person basic information, add credential for person, and view or edit permissions in person information.  
[Add Person >](#)

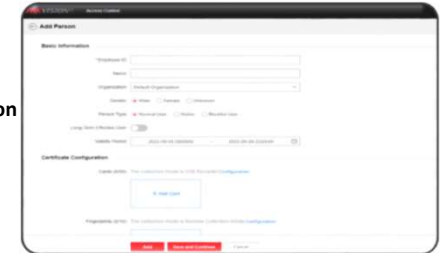
**. Access Schedule**  
Access schedule template defines the authorized time period of access point, which is used for creating access permission. One schedule template can be used in multiple access permissions. Three default access schedule templates predefined by system cannot be edited or deleted.  
[Add Access Time Period >](#)

**. Permission Management**  
Access permission defines which persons can get access to which doors during the authorized time period. One access permission contains only one schedule template and multiple access points.  
[Access Permission Manage...](#)

Add device



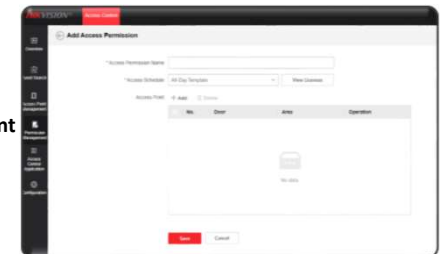
Add person



Set access schedule



Set permission management





# Easy to Manage

*The K2700X series access controller can be configured on the web. Also support configuration on the software. Support on-premise deployment on the HikCentral Professional V2.5/HikCentral Access Control V2.2 and support cloud deployment on the Hik-Connect 6.X*



## For end-users

Flexible and Touch-free Access  
Budget Friendly  
Multiple Site and Business in One



## For installers

Easy Deployment  
Continuous Service Revenues  
Brand Publicity and Influence



## Easy and convenient for employees

Via multiple authentication methods.



## Professional and flexible for security managers

With full range of access control management modules.



## Efficient and intuitive for HR & management staff

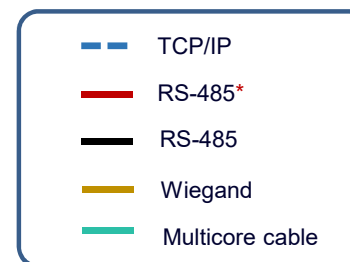
With user-friendly interfaces and quick setup wizards.

# Multiple Communication Methods

## Uplink Communication

 Supports **wired networks**.

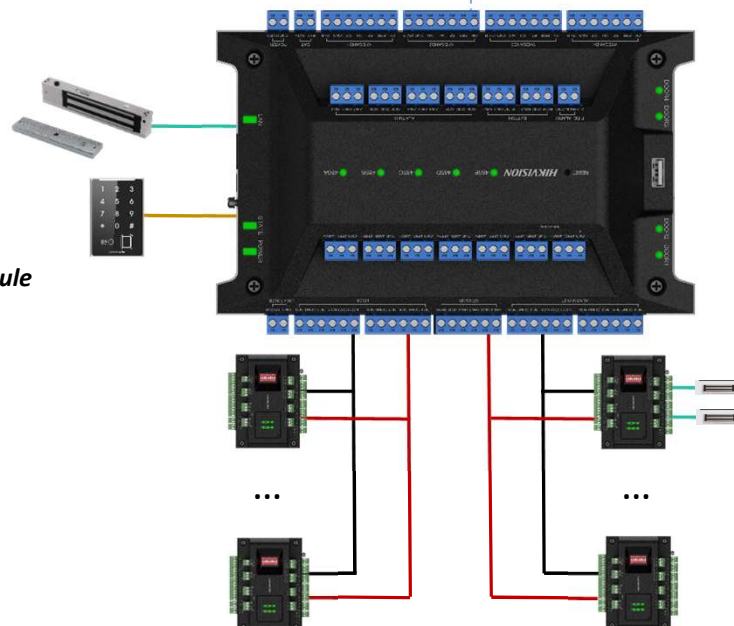
 Supports **Wi-Fi(optional)**




## Downlink Communication

 The main controller and the access module are connected by **RS-485**

 The controller connect with reader via **wiegand(customizable)/OSDP**

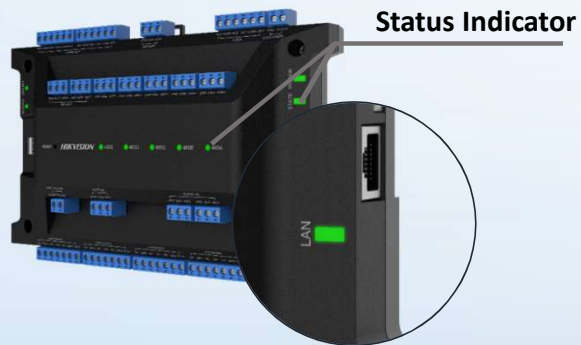


 **“ — ”** means that downstream RS-485 redundancy wiring design to ensure communication stability  
**Recommended this connection method !**

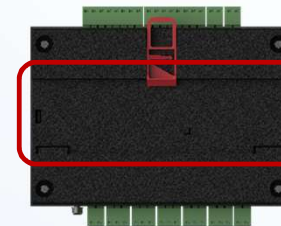
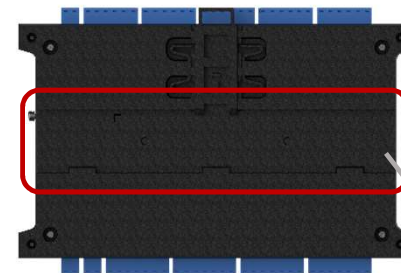
# Easy to Use



Support POE models : *DS-K2702WX-E1(P), DS-K2702WX-E1*  
\*Poe power the device and lock directly



**Note:** it has status indicators such as power supply, communication and operation, which is convenient for equipment health detection.



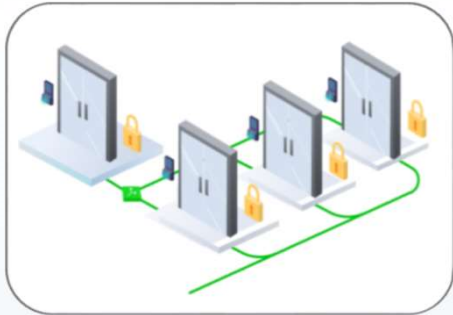
→ DIN rail

**Note:** *DS-K2700X(P)* series support DIN rail mounting  
*DS-K2700X(P)* series support purchase separately



# Professional and Powerful Access Control

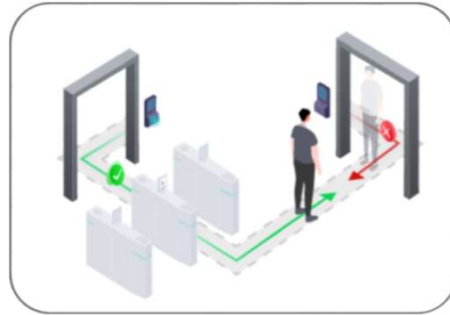
## Advanced Access Control



**Multi-door Interlocking**



*To open one of the interlock configured doors, other doors must keep closed. Supports up to 32 interlocking doors.*

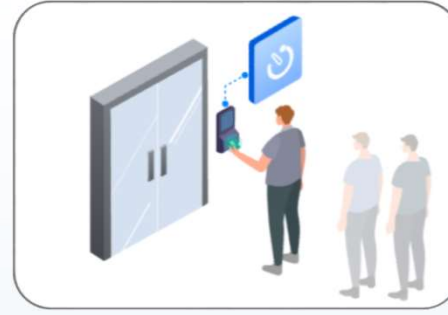


**Anti-passback**



*People can only pass through access points according to the set sequence. Anti-passback in the main controller*

- Support up to 32 routes
- Support up to 32 doors



**First Person In**



*For each door, you should set the first person authorized open.*



**Multi-factor Authentication**



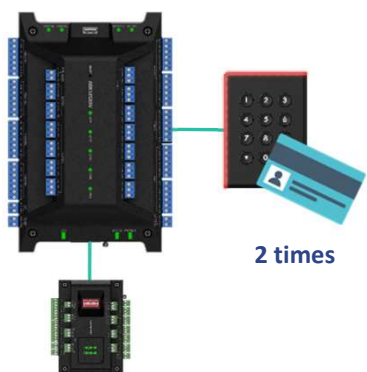
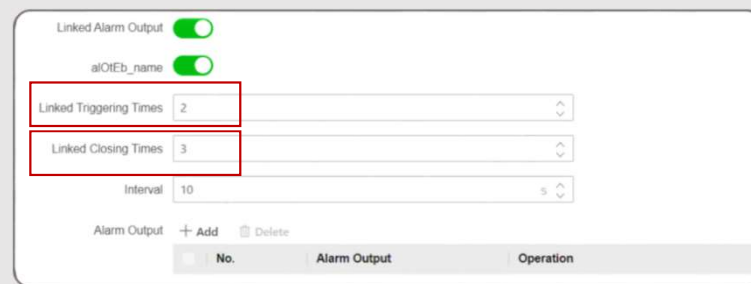
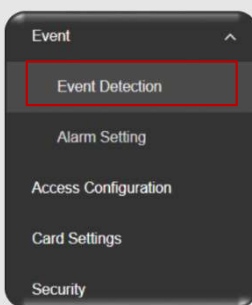
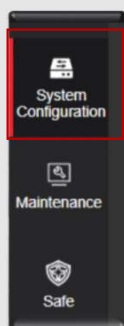
*Only after authenticating according to the multi-factor authentication rule, can persons in multi-factor authentication groups open the door. Support up to 8 authentication levels.*

# Professional and Powerful Access Control

## Event Linkage-Alarm Output

About event detection, at present, in addition to card reader linkage, access controller buzzing linkage and door linkage, the K2700X series has also added the function to set different swipe times to trigger alarm output on/off.

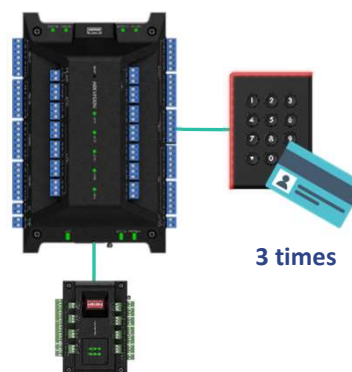
Configure the Process:



2 times



Set the triggering times to 2 times, and after swiping the card 2 times, the alarm output on.



3 times



Set the closing times to 3 times, and after swiping the card 3 times, the alarm output off.



# Professional and Powerful Access Control

## Powerful Extensibility






### Backup Battery

- Battery model: 7Ah
- Dimensions : 151mm x 94mm x 65mm
- Support charging and discharging
- Recommended for use in scenarios where power is easily disconnected

**Note:** *backup battery need to be purchased separately*

**Support backup battery models :** *DS-K2701/2/4/8X,DS-K2702WX-E1*

# Access Control Family

Product range	Value series		Pro series		Ultra series
Product Image					
Product Model	DS-K2801/2/4	DS-K2811/2/4	DS-K2601/2/4T 26 series main board	DS-K2601/2/4-G	Main controller DS-K2700X Access module DS-K2M002X
Door Control	1/2/4	1/2/4	1/2/4	1/2/4	<b>MAX.128</b> (with 62 access modules)
User Capacity	N/A	N/A	<b>100,000</b>	N/A	<b>100,000</b>
Card Capacity	10,000	10,000	100,000	100,000	<b>200,000</b>
Event Capacity	50,000	50,000	300,000	300,000	<b>600,000</b>
Backup Battery	N/A	Support	Support	Support	Support
Advanced Access Control (multiple authentication/interlocking /anti-passpack/first card)	N/A	Support	Support	Support	Support
POE	N/A	N/A	N/A	N/A	<b>Support</b>
Web Configuration	N/A	N/A	N/A	N/A	<b>Support</b>
Connect the Access Module	N/A	N/A	N/A	N/A	<b>Support</b>
UL294 Certification	N/A	N/A	N/A	<b>Support</b>	N/A

**THANKS!**

