

Access Control Extension Module
User's Manual

V1.0.0

1 General Introduction

The product is shown as in Figure 1- 1.

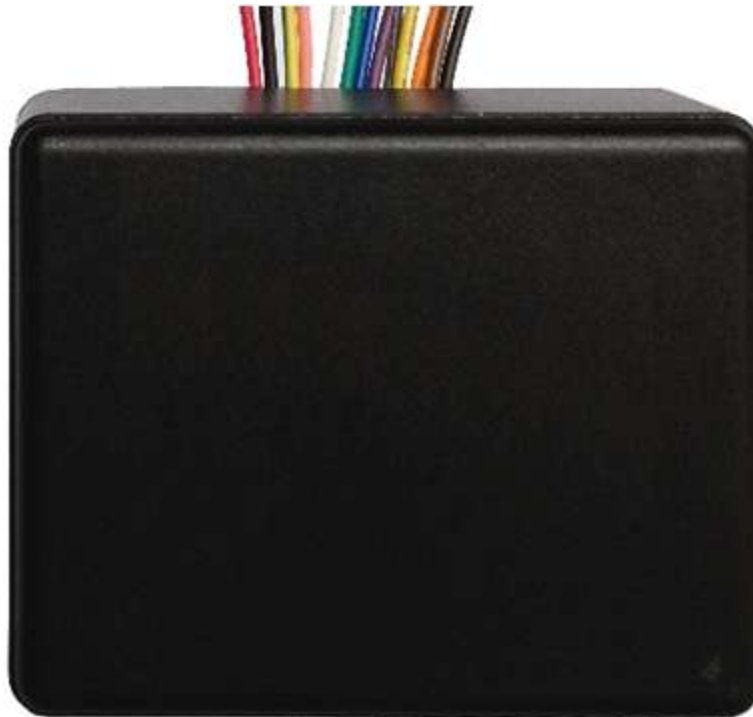


Figure 1- 1

Wiring function of access control extension module is shown as in Chart 1- 1.

Access Control Extension Module Wiring Function				
Group	Color	Function	Color	Function
4-Pin Cable A	Black	GND	Brown	Door sensor response
	Orange	Alarm input	Yellow	Open button
3-Pin Cable (Lock Control)	Grey	NC	Blue	Public port
	Purple	NO		
4-Pin Cable B	Green	RS485 + - Goes to Door Camera	Black	Power ground
	White	RS485 - - Goes to Door Camera	Red	+12V
2-Pin Cable	Pink	RS485 + (Card Reader)		
	Yellowgreen	RS485 - (Card Reader)		

Chart 1- 1

2 Product Summary

Access control extension module is suitable for 86-box installation, and this extension module can independently cooperate with access control, outdoor IP cameras (IHC6220) and management platform (VTMS). This combination leads to a simple access control extension. This module is communicating with upper level device (e.g IHC6220) via RS485 BUS, thus allows access control and card swiping function via the card reader. Meanwhile this module has one channel of door sensor input, one channel of exit button input, one channel of alarm input, one channel of door lock control output. Choice of normally open or normally closed is available.

Access control extension module works together with corresponding management platform to bring about functions to issue cards, delete cards, open the door remotely and more. The module uploads information regarding card swiping, access, and alarm to the management center, contributing to real time monitoring of the doors in question. Additionally, management center is able to configure access control specifications of the module, and set duration of valid swiping of card, time sync, etc. After releasing card authorization, even without main controller, access by card swiping or open button is still available.

Example to Connect to a Door Strike/Door Access Panel:

Please see Figure 2- 1.

Figure 2- 1

3

Technical Specifications

Technical specifications are shown as in Chart 3- 1.

Model	DEE1010A
Access Control	
Lock NO Output	Yes
Lock NC Output	Yes
Open Button	Yes
Door Status Detection	Yes
Operating Mode	
Input	Card swiping input (card reader required) and open button
IC Card	
Card Storage Limit	Max: 5000
Add Card & Delete Card	Yes
Real Time Clock	
Clock Adjustment	Yes
RTC Time Protection in Outage	Yes
Alarm	
External Alarm Input	1 channel
Reporting	
Card NO.	Yes
Access	Yes
Alarm	Yes
Specifications	
Power	DC 9 ~ 15V
Power Consumption	Standby $\leq 0.5W$; working $\leq 1W$
Environment	-10℃~+60℃
	10~95%RH
Dimensions	68mm*52mm*24.5mm (length*width*height)
Weight	0.042kg

Chart 3- 1

- Q: I can't open door after swiping card?
A: Your card may be invalid or has become faulty. Check with administrator
B: Door sensor is not working properly.
C: Connection in between the card reader (IHC6220) may be bad.
D: Door lock or device is damaged.
- Q: The device can't communicate with management center?
A: Check network connectivity and RS485 leads to the card reader.
- Q: I can't open the door by pressing open button? Why.
A: Check the connection between the button and the device. Check leads.
- Q: After the door opens, the lock remains unlocked?
A: Check if the door is closed properly and the you feel it is seated correctly.
B: Check if door sensor is properly connected. Check connection leads.
- Q: I have other unsure or unsolvable problems, what should I do?
A: Please contact technical support.

Note:

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