


如何配置 DS-K3G501 外接明眸、二维码和指纹读卡器 \ How to configure MinMoe terminal and QR code reader and fingerprint reader to connect DS-K3G501

介绍：基于 DS-K3G501 闸机外接 680 明眸、二维码和指纹读卡器，本文以明眸型号 DS-K1T680DFG1 V3.2.33 build 210816 、二维码型号 DS-KAB-COVER-PgQ 和指纹读卡器型号 DS-KAB-601COVER-PgF 作为例子。本文适用其他人员通道的权限版接线和配置，可以此文档作参考。

Introduction: Based on the DS-K3G501 gate, which is connected to the 680 of MinMoe terminal , QR code and fingerprint reader, this article uses the MinMoe terminal model DS-K1T680DFG1 V3.2.33 build 210816, the QR code model DS-KAB-COVER-PgQ and fingerprint reader model DS-KAB-601COVER-PgF as an example. This article is applicable to the wiring and configuration of Main Control Board of other personnel channels, and this document can be used as a reference.

DS-K3G501

Home > Access Control Products > Speed Gate and Turnstiles > Tripod Turnstile >



Tripod Turnstile


- TCP/IP network communication: The communication data is specially encrypted to relieve the concern of privacy leak
- Barrier open/closed, free accessing, forbidden mode are selectable
- Bidirectional (Entering/Exiting) lane
- Remote control and management
- LED indicates the entrance/exit and passing status.
- Fire alarm passing: When the fire alarm is triggered, the barrier will be dropped automatically for emergency evacuation.
- Valid passing duration settings: System will cancel the passing permission if a person does not pass through the lane within the valid passing duration

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DS-K1T680DFG

Home > Access Control Products > Face Recognition Terminals > Ultra Series >



Ultra Series Wall-Mounted Face Access Terminal

- 8-inch touch screen with bezel-less design
- Presents card on the screen to authenticate
- Face recognition distance: 0.3 m to 3 m, duration < 0.2 s/User, accuracy rate ≥ 99%
- 100,000 face capacity, 100,000 card capacity (Felica, DESfire, M1), 10,000 fingerprint capacity, and 150,000 event capacity
- Supports ISAPI, ISUP 5.0, Wiegand, RS-485, TCP/IP, 3G/4G
- Two-way audio with indoor station and master station
- Configuration via the web client and mobile client
- Customizes attendance status name

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一、接线 wiring

第一步：首先根据闸机主控板（权限板）的 485/232 接口对应将外接明眸、二维码和指纹读卡器进行接线。DS-K3G501 使用的是 DS-K3M201-501-G 主控板（权限板），图 1 为示意图，图 2 和图 3 为实物接线图，根据实物图进行接线。

Step 1: First, connect the external MinMoe terminal, QR code and fingerprint reader according to the 485/232 interface of the main control board (authorization board) of the gate. DS-K3G501 uses DS-K3M201-501-G main control board (authorization board), Figure 1 is a schematic diagram, Figure 2 and Figure 3 are physical wiring diagrams, wiring according to the physical diagram.

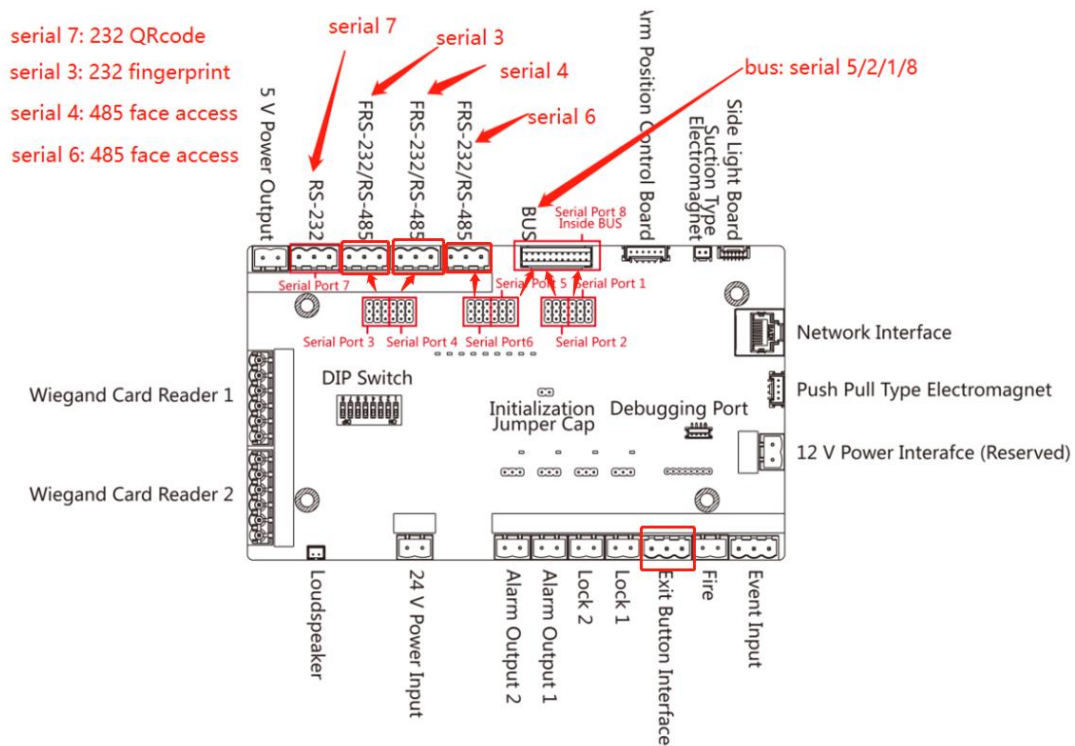


图 1 主控板（权限板）示意图

Figure 1 Diagram of the main control board (authorization board)

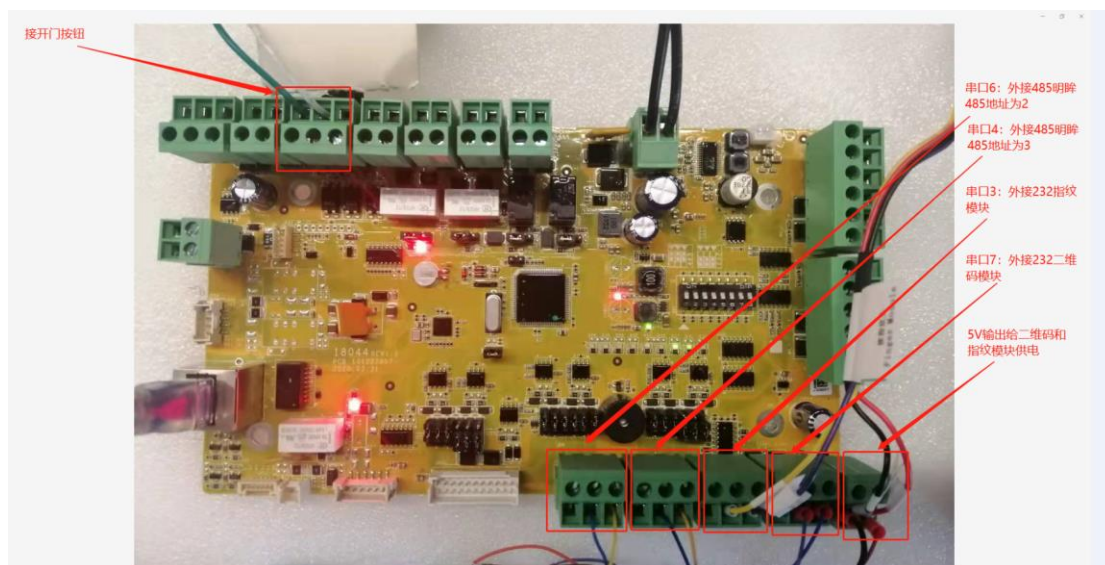


图 2 实物接线图

Figure 2 Physical wiring diagram

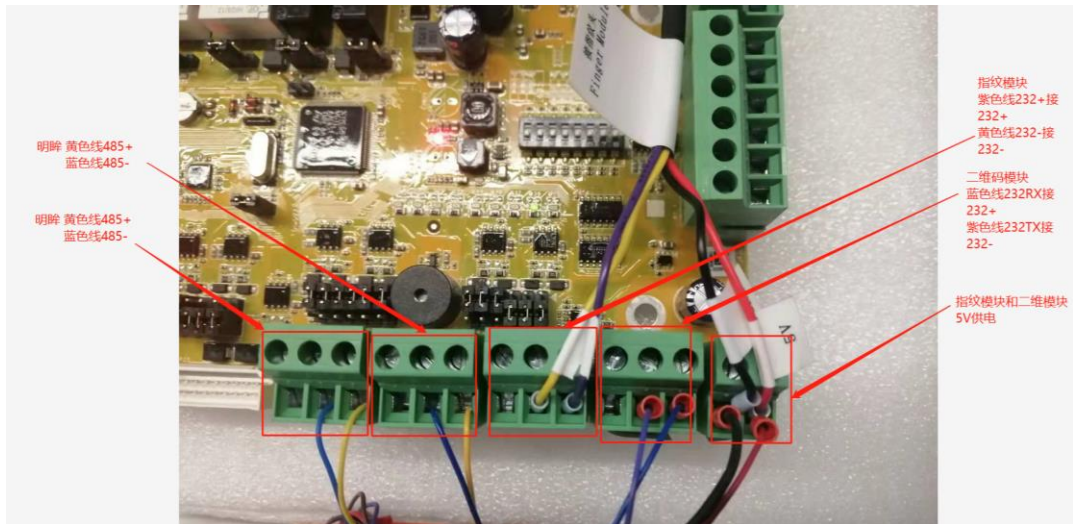


图 3 实物接线图

Figure 3 Physical wiring diagram

备注：外接 2 个明眸可以接在同一个 485 串口上，一般选择串口 6 或者串口 4。务必将明眸端的 RS485 配置一个改为地址 2（读卡 2 出），一个改为地址 3（读卡器 3 进）。外接二维码模块默认选择 232 串口 7，外接指纹模块默认选择 232 串口 3，然后一起接 5V 电源给其供电。

Remarks: two external MinMoe terminal can be connected to the same 485 serial port, generally choose serial port 6 or serial port 4. Be sure to change one of the RS485 configuration of the external MinMoe terminal to address 2 (reading card 2 out), and one another changing to address 3 (card reader 3 in). The external QR code module selects 232 serial port 7 by default, and the external fingerprint module selects 232 serial port 3 by default, and then it is connected to a 5V power supply to supply power.

二、配置 configuration

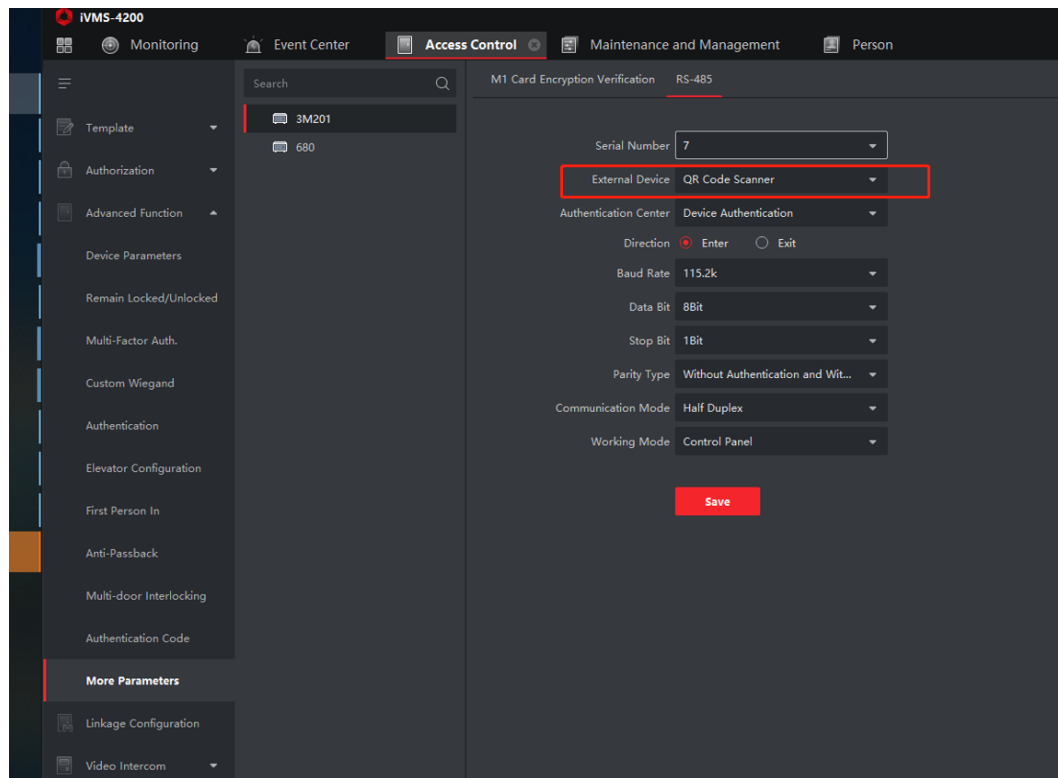
第一步：明眸端配置，将 680 明眸和闸机权限板 DS-K3M201-501-G 添加到 4200 后，进入 access control->more parameters->RS-485 界面进行配置。

Step 1: Configuration of the MinMoe terminal, add the 680 MinMoe terminal and the gate authority board DS-K3M201-501-G to 4200, and enter the access control->more parameters->RS-485 interface to configure.

<input type="checkbox"/>	Name	Connection...	Network Para...	Device Type	Serial No.	Security Le...	Resource U...	Firmware Upgrade	Operation
<input type="checkbox"/>	3M201	IP/Domain	10.9.96.251:8000	Access Cont...	DS-K3M201-501-G202004...	Weak	Online	No available version	
<input type="checkbox"/>	680	IP/Domain	10.9.96.22:8000	Access Cont...	DS-K1T680DFG120210816...	Weak	Online	No available version	

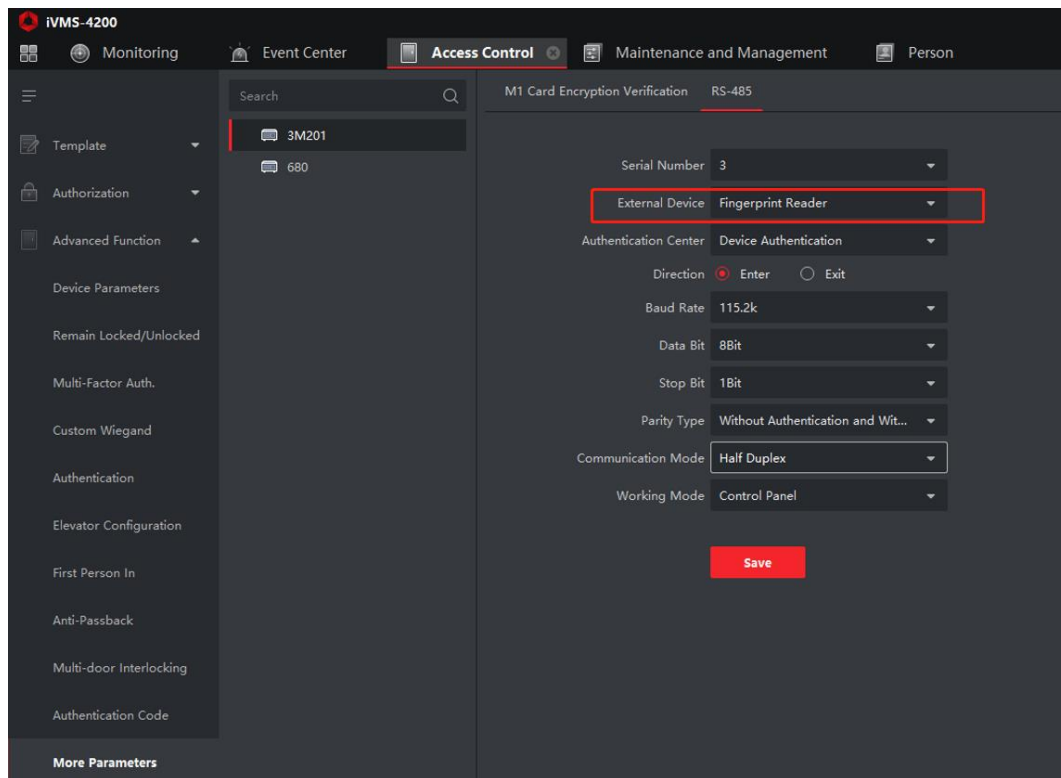
1、权限板的二维码读卡器配置，选择串口 7，参数配置如下图。

1. Configuration of the authorization board For the QR code reader, select the serial port 7, and the parameter configuration is as shown below.



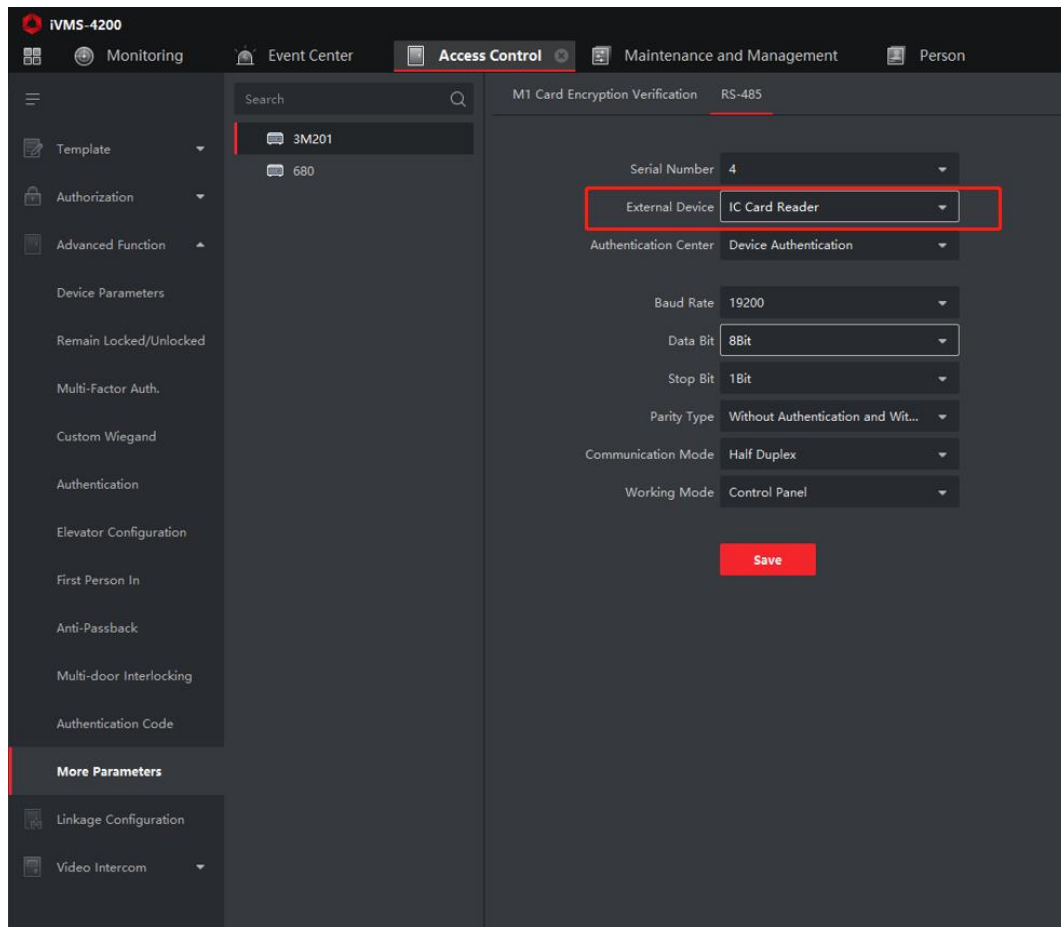
2、权限板的指纹读卡器配置，选择串口 3，参数配置如下图。

2. Configuration of the authorization board for the fingerprint reader, select the serial port 3, and the parameter configuration is as shown below.



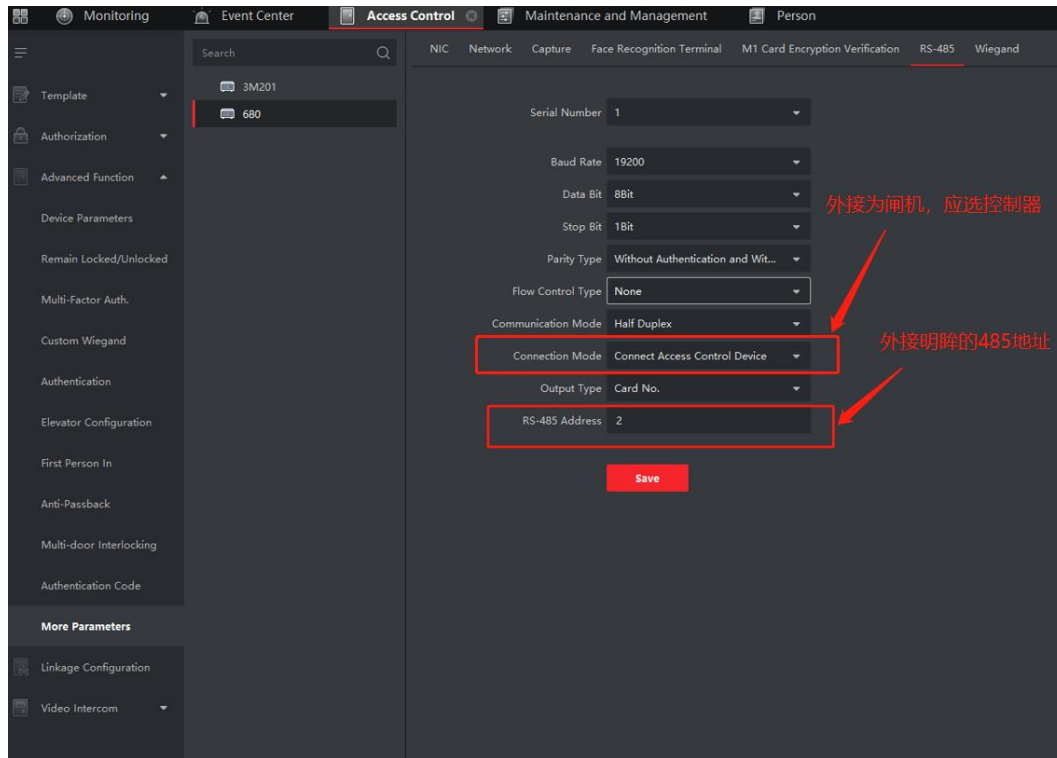
3、权限板的 680 明眸配置，选择串口 4，参数配置如下图。

3. For the configuration of 680 MinMoe terminal on the authorization board, select the serial port 4, and the parameter configuration is as shown below.



4、明眸端的 RS-485 配置，参数配置如下图。

4. The RS-485 configuration of the MinMoe terminal, the parameter configuration is as shown in below.

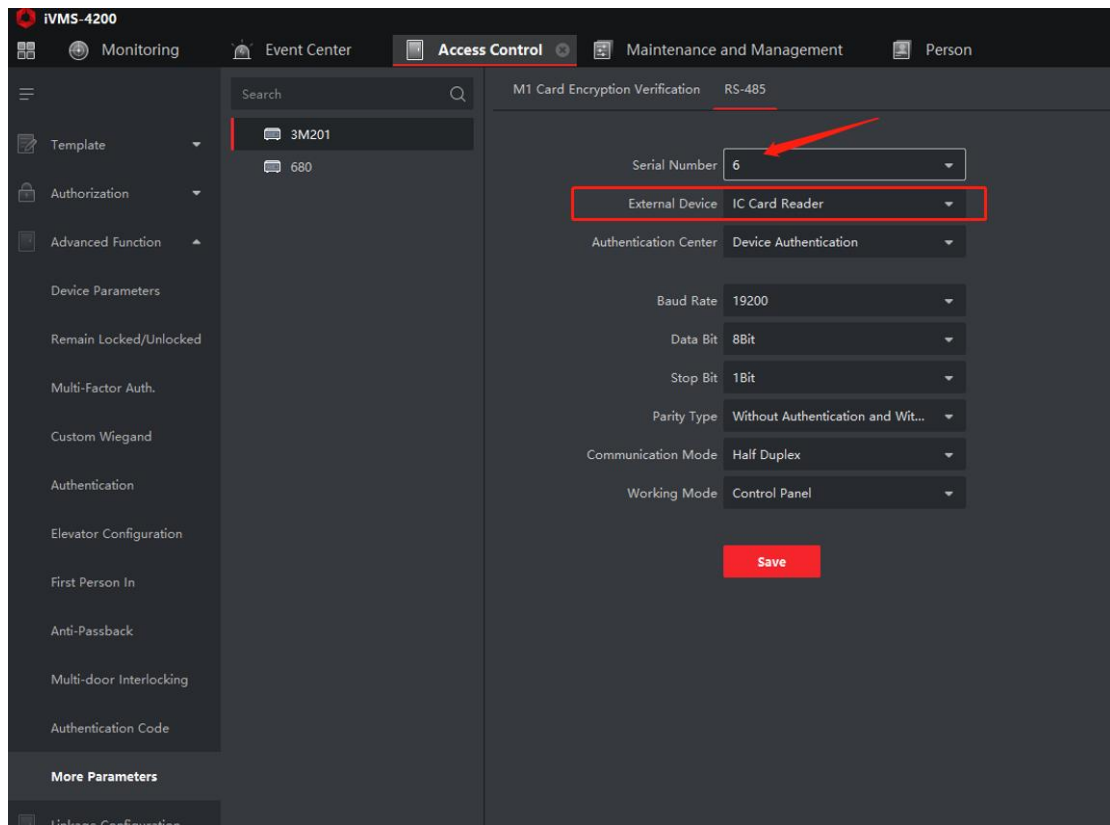


备注：如果外接 2 个明眸设备，明眸端一个 485 地址设置为 2，另一个要设置为 3。


Special attention: if there are two connected devices, one of the 485 addresses of the MinMoe terminal should be set to 2, and the one another should be set to 3.


5、如果明眸 485 接权限板的串口 6, 需要如下参数配置, 明眸端的参数配置可以不用改变。

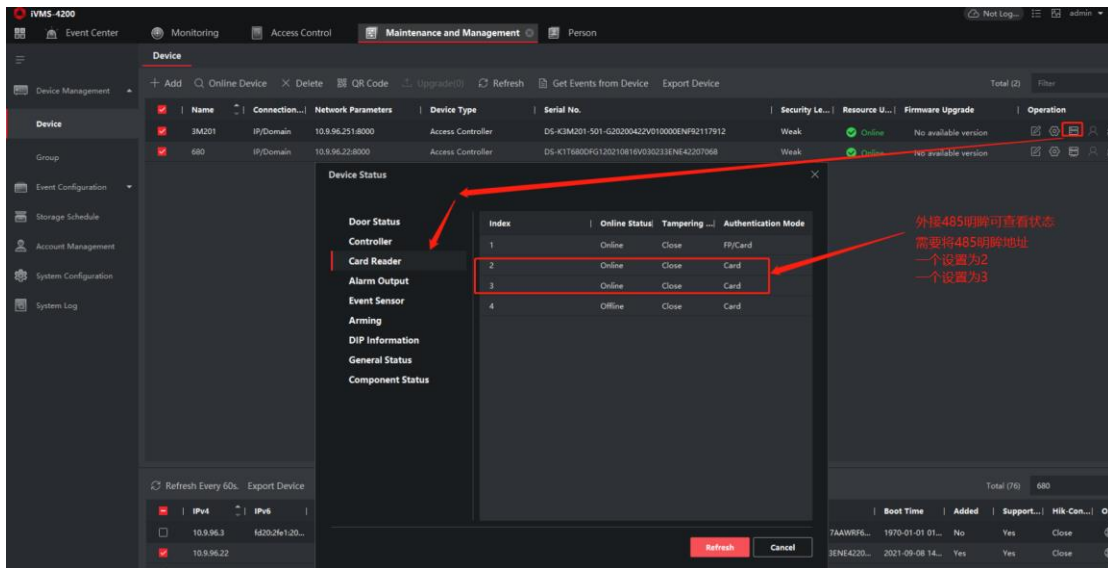
5. If the MinMoe terminal 485 is connected to the serial port 6 of the authorization board, the following parameter configuration is required, and the parameter configuration of the MinMoe terminal does not need to be changed.



三、检查外接明眸状态 Check the status of the MinMoe terminal

在已添加的闸机权限板 DS-K3M201-501-G 中点击 ，查看设备状态，device status->card reader 检查外接明眸是否为 online。如果不在线，请检查接线、明眸读卡器和权限板参数配置。

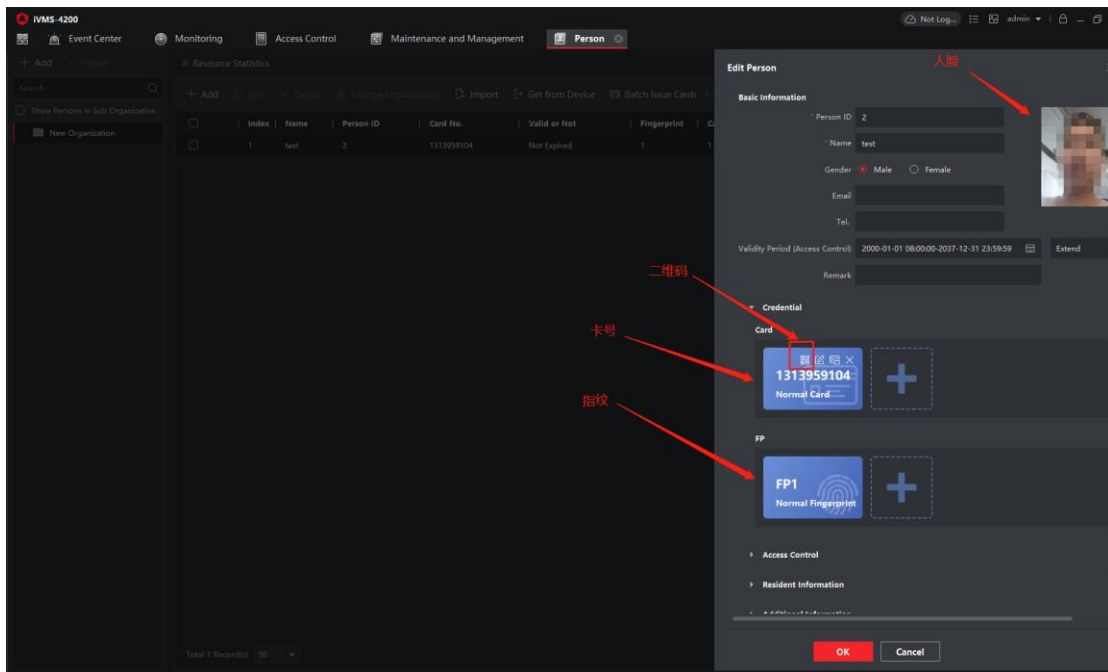
Click  in the added gate authority board DS-K3M201-501-G to check the device status, device status->card reader to check whether the MinMoe terminal is online. If it is not online, please check the wiring, parameter configuration of the MinMoe terminal card reader and the authorization board.



四、下发人员 Issuing staff

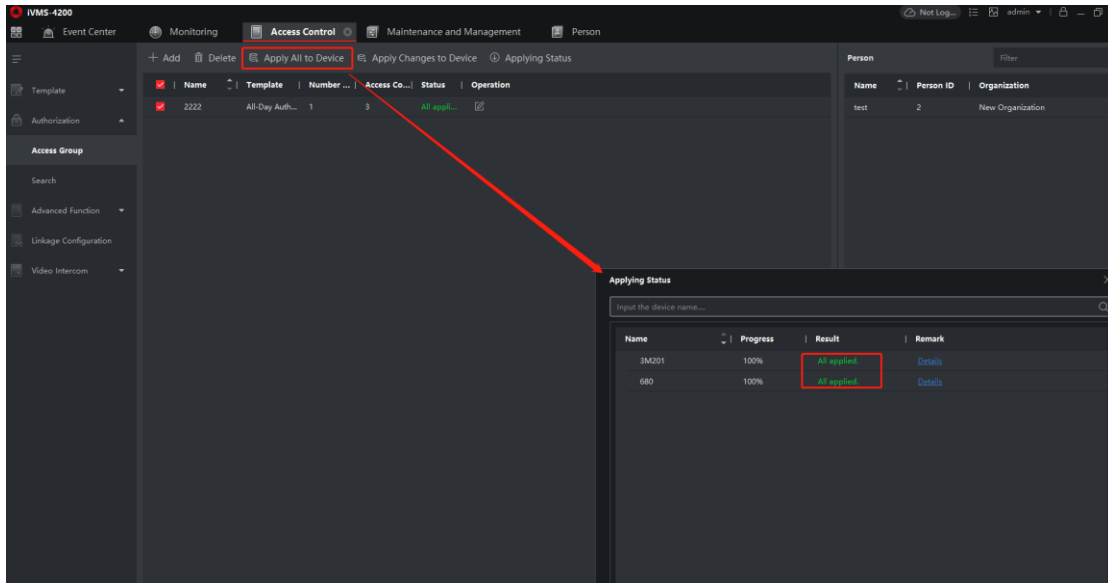
第一步：4200 注册人员的人脸、卡号和指纹。

Step 1: the face, the card number and fingerprint of the registered person on the 4200.



第二步：下发人员到明眸 680 和权限板 DS-K3M201-501-G。

Step 2 : Distribute personnel to the 680 MinMoe terminal and Main control Board DS-K3M201-501-G.



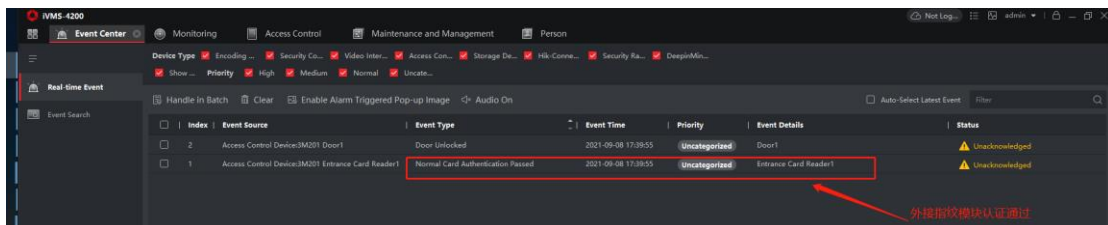
五、指纹、二维码、明眸验证 Verification of Fingerprint & QR code & MinMoe terminal

从实时事件中心能够看到外接指纹、二维码和明眸的刷卡记录。

From the real-time event center, you can see the authentication record of Fingerprint & QR code & MinMoe terminal.

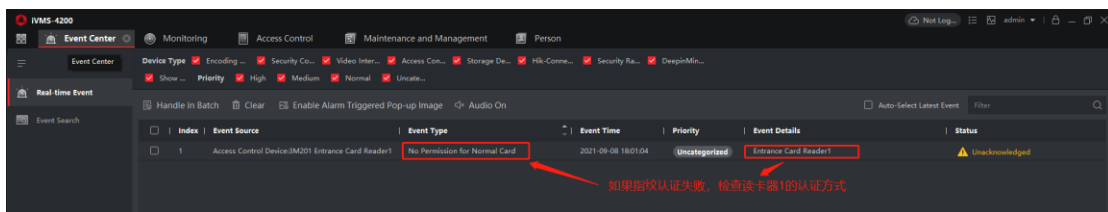
1、外接指纹认证事件，如下图。

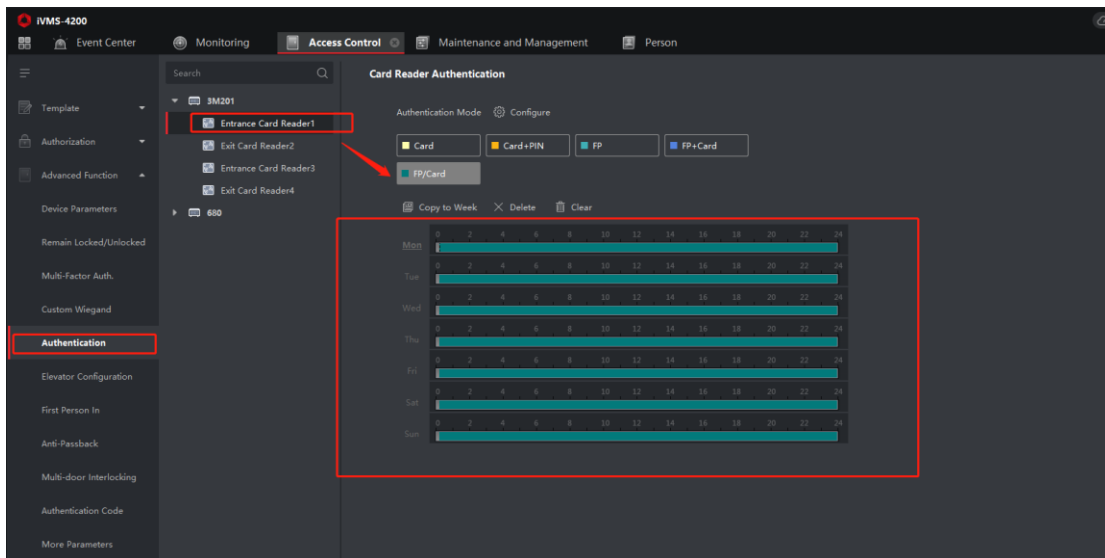
1. External fingerprint authentication event, as shown below.



如报错: No Permission for Normal Card, 检查一下认证方式是否有指纹认证权限。

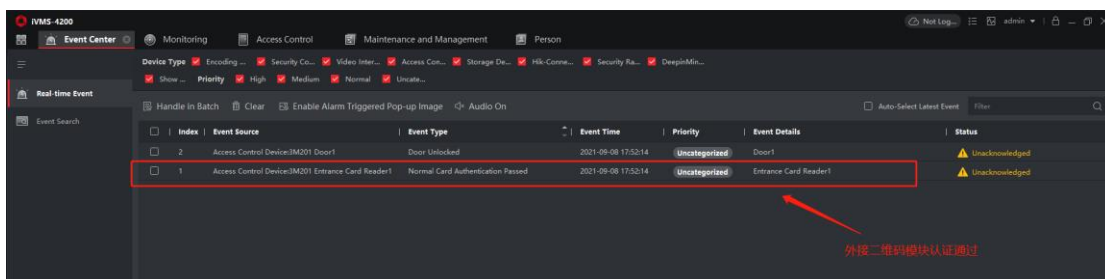
If an error is reported: No Permission for Normal Card, check whether the authentication method has fingerprint authentication permission.





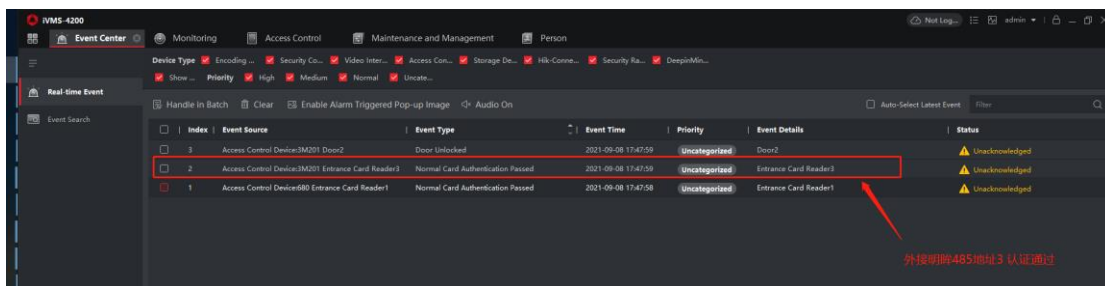
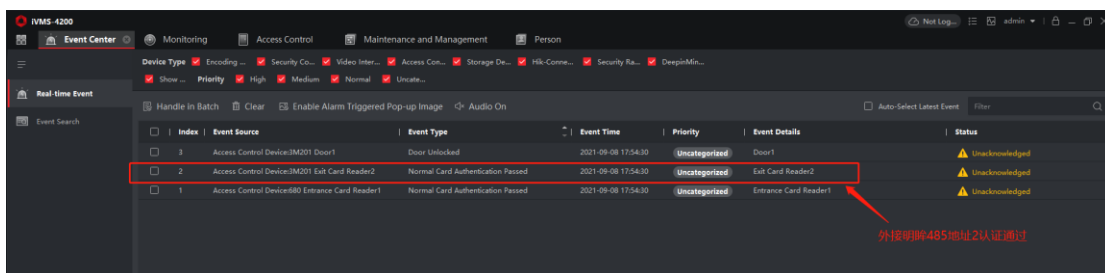
2、外接二维码认证事件，如下图。

2. External QR code authentication event, as shown below.



3、外接明眸认证事件，如下图。

3. The external MinMoe terminal authentication event is as shown in the figure below.



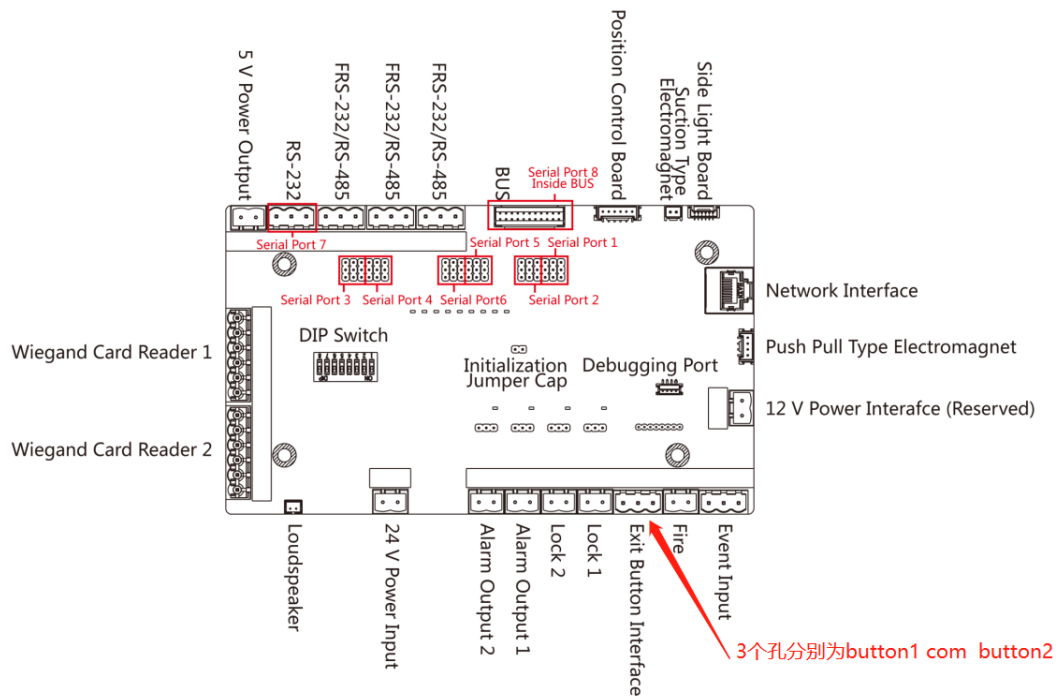
附录：明眸认证，闸机不认证接线和配置

Appendix: wiring and configuration about MinMoe terminal certification, turnstiles are not certified.

1、接线：明眸的 LOCK 标签中 NO 和 COM 对应接权限板的出门按钮接口 buutton1 和 COM 或者 buutton2 和 COM。Button1 表示门 1 开关， Button2 表示门 2 开关。

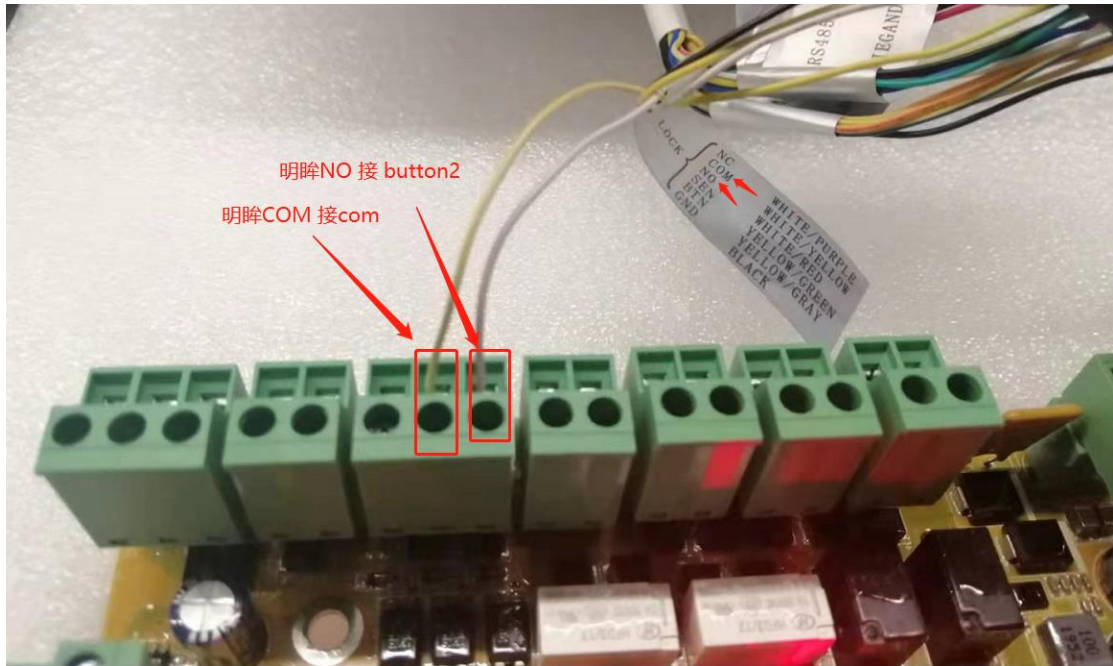
1. Wiring: NO and COM in the LOCK label of MinMoe terminal correspond to buutton1 and COM or buutton2 and COM of the exit button interfaces of the authorization board.

Button1 represents the door 1 switch, Button2 represents the door 2 switch.



出门按钮接口示意图

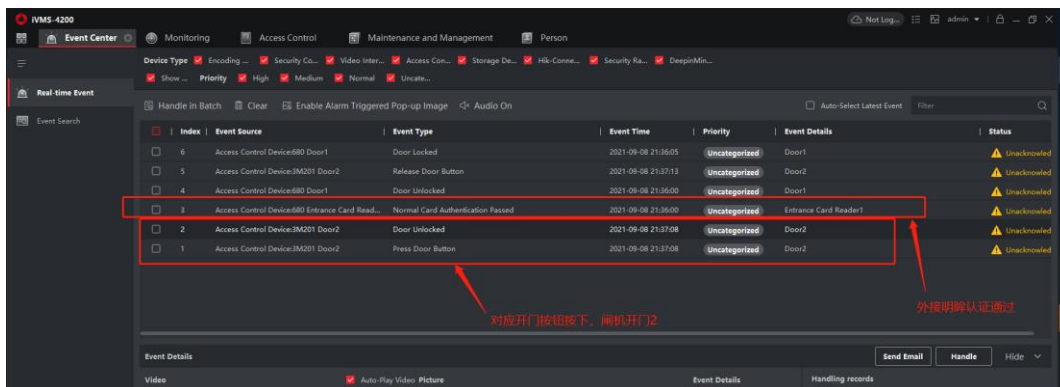
Diagram of exit button interface



接门 2 开关实物图

The physical picture of the door 2 switch

- 2、下发：仅需要 680 下发人员，闸机不做认证。（略）
2. Issued: Only 680 delivery personnel are required, and the gates are not certified. (Omit)
- 3、认证：680 刷卡认证通过，对应闸机出门按钮按下，门 2 打开，如下图。
3. Authentication: 680 swiping card authentication is passed, the corresponding gate exit button is pressed, and door 2 is opened, as shown below.



备注：

- 1、目前详细的单项外接明眸、外接二维码、外接指纹模块 How to 文档已有，可进行具体接线、配置参考。文档可在 HiKnow 上进行搜索查看。

<https://hiknow.hikvision.com.cn/kms/sys/portal/page.jsp>

How to Connect MinMoe Terminal DS-K5671 to DS-K3G501

How to connect fingerprint reader to turnstile

How to connect QR code reader to turnstile

Remark:

1. At present, the detailed single-item How to document of external MinMoe terminal, the external QR code and external fingerprint module are available, and can be referenced for wiring and configuration. The documents can be searched and viewed on HiKnow.

<https://hiknow.hikvision.com.cn/kms/sys/portal/page.jsp>

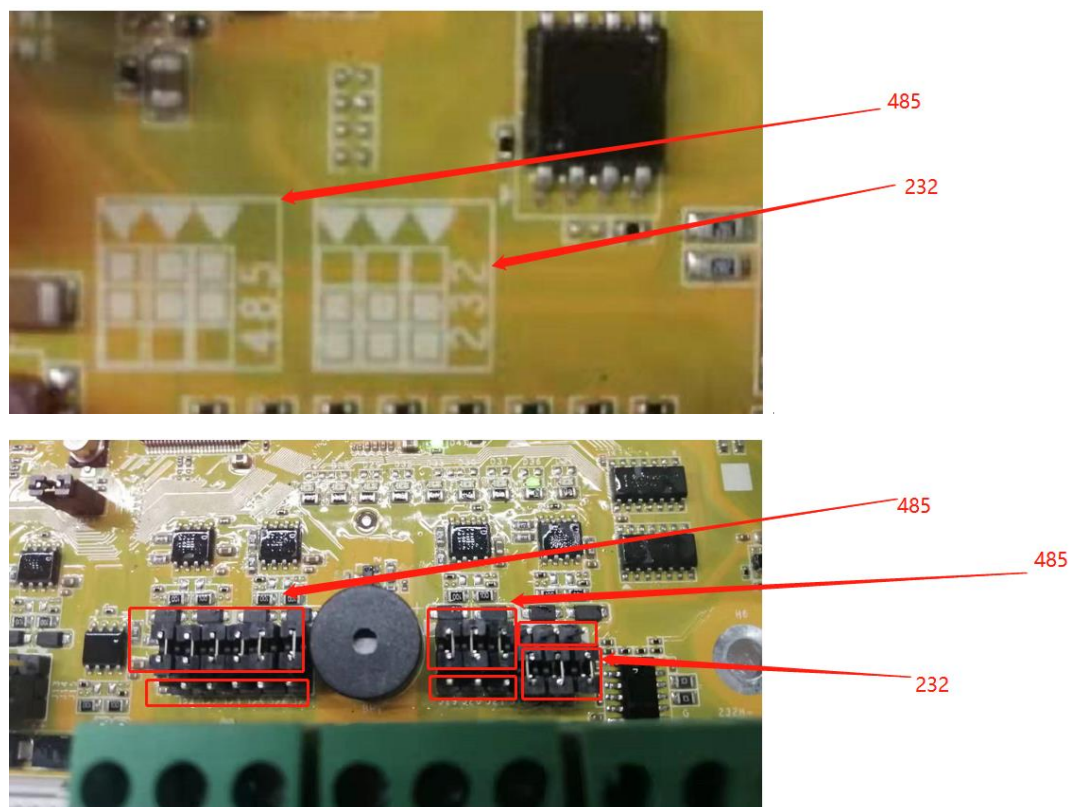
How to Connect MinMoe Terminal DS-K5671 to DS-K3G501

How to connect fingerprint reader to turnstile

How to connect QR code reader to turnstile

2、485 和 232 接口转换跳线帽示意图

2. Diagram of the jumper cap of the 485 and 232 interface conversion



3、权限板初始化跳帽

3. Initialize jumper of the Main Control board

