

指纹读卡器连接闸机权限板 K3M200 指导

Connection guide of fingerprint reader module

介绍：通常默认指纹读卡器连接闸机 KM200 权限板，我们可以将指纹读卡器连接串口号 4 和 6；串口 6 的跳帽需要从 485 模式改变成 232 模式，默认串口 4 为不可变的 232 端子。

Introduction: Usually the fingerprint reader module is connected to access controller board KM200 by default. We can connect the fingerprint reader to serial ports 4 and 6; the jump cap of serial port 6 needs to be changed from 485 mode to 232 mode, and the default serial port 4 is immutable 232 terminals.



一、接线

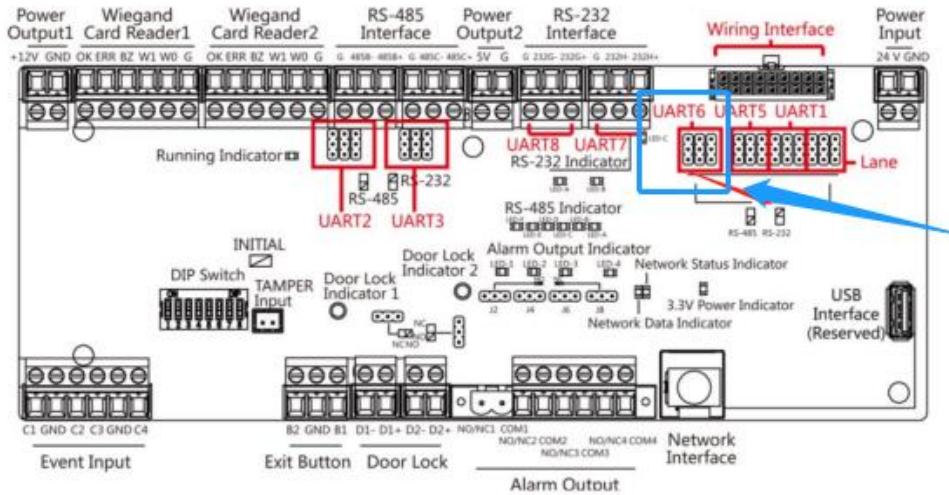
1. Wiring

指纹模块默认连接 UART4 为入口，UART6 为出口，您也可以将其与接入板上的其他 UART 端子（UART 7&8 除外）连接。将跳线帽改为 RS232 通讯方式，靠近绿色端子侧。

By default, we connect fingerprint module with UART4 for entrance and UART6 for exit, you can also connect it with other UART terminals(except UART 7&8) on access controller board. Change jumper cap to RS232 communication mode, which is close to green terminal side.

(1)检查权限板 K3M200 的串口 6 跳帽，如下图。

(1) Check the serial port 6 jump cap of the access controller K3M200, as shown below.



(2) 485 和 232 模式跳帽转换示意图。

(2) Schematic diagram of 485 and 232 mode jump cap conversion.

5.4 Switch to RS-485/RS-232 Mode

Take the Serial Port 4 and on the access control board as an example. If the Jumper cap's position is like the picture displayed below. (The black part is the jumper cap.) The serial port is in RS-485 communication mode.

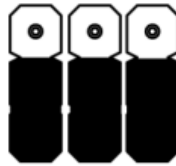


Figure 5-2 Jumper Cap Status of RS-485 Interface

If the Jumper cap's position is like the picture displayed below. (The black part is the jumper cap.) The serial port is in RS-232 communication mode.



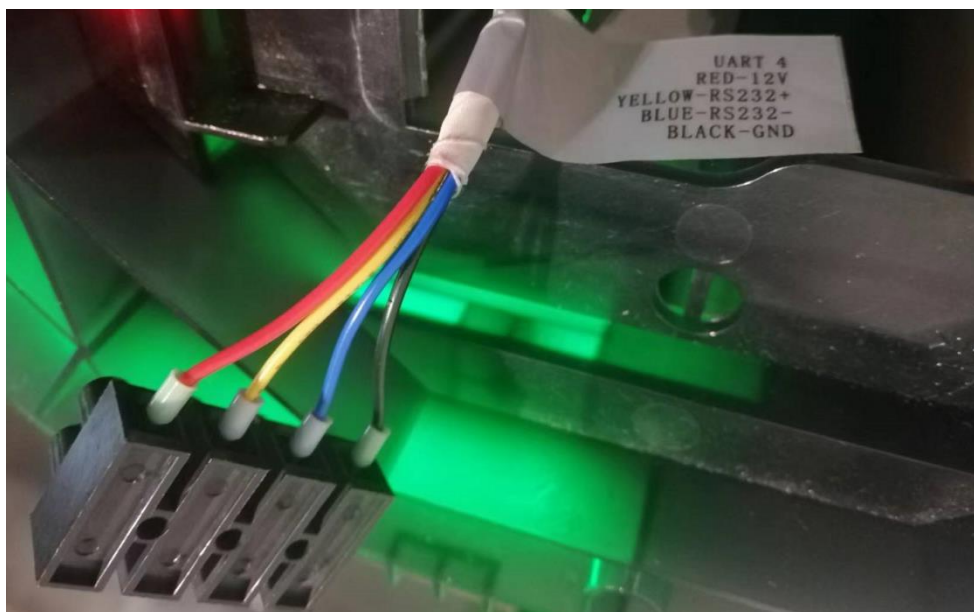
Figure 5-3 Jumper Cap Status of RS-232 Interface

(3) UART4 介绍

串口如下接口示意图，它是固定的 RS-232 通讯方式与 K3M200 权限板进行通讯。它不包含跳线帽，不能改变其通信模式。

(3) Introduction of UART4

The serial port is in the wiring interface according to the picture below, which has a fixed RS-232 communication mode to communicate with the access controller. It contains no jumper cap and cannot change the communication mode.

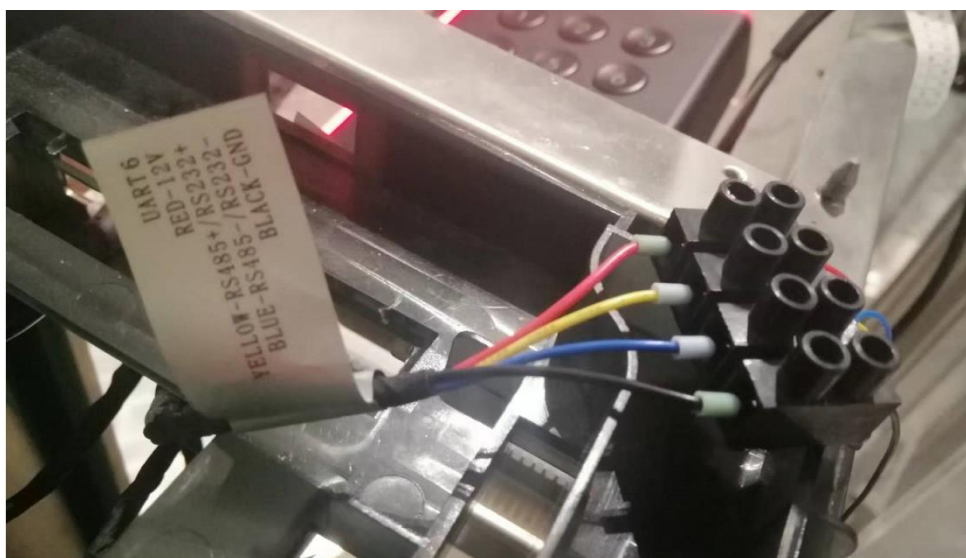


(4)UART6 介绍

UART6 串口可以使用跳线帽切换串口通信模式。您可以在 RS-232 通信模式和 RS-485 通信模式之间切换。默认情况下，它处于 RS-232 通信模式。

(4) Introduction of UART6

The UART6 serial port can use the jumper cap to switch the serial communication mode. You can switch between RS-232 communication mode and RS-485 communication mode. By default, it is in RS-232 communication mode.

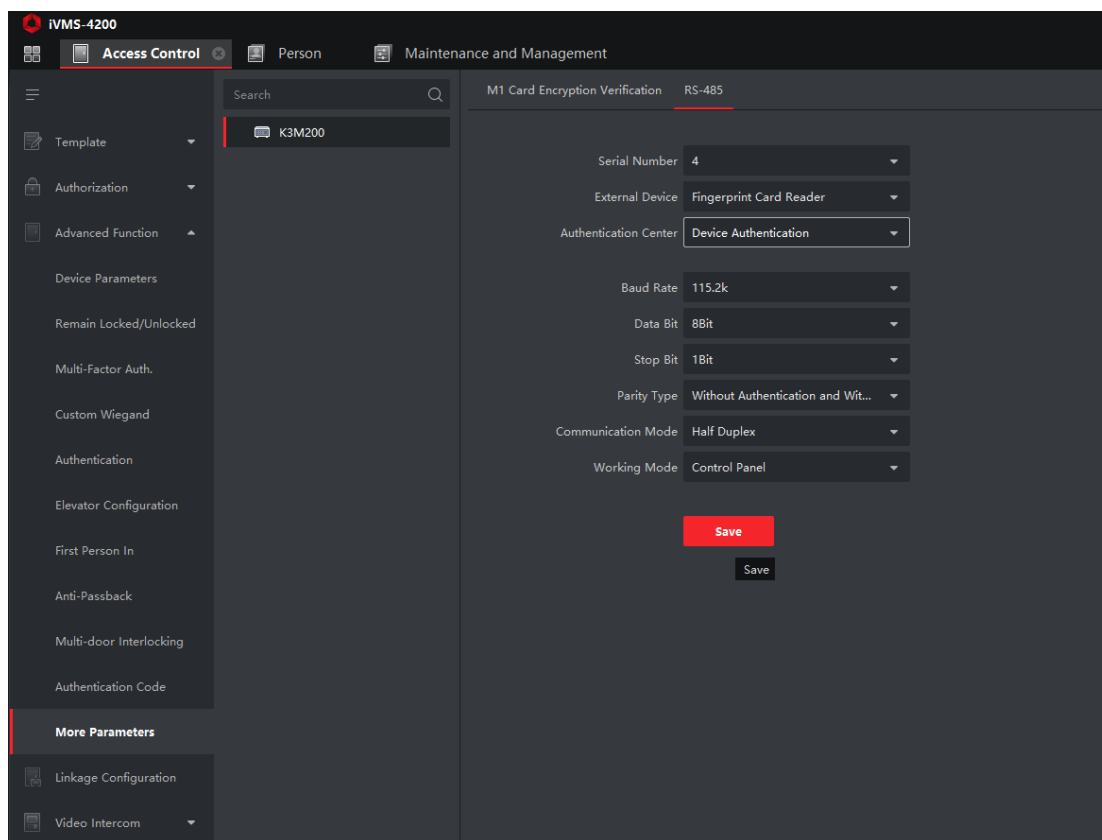


二、配置

2. Configuration

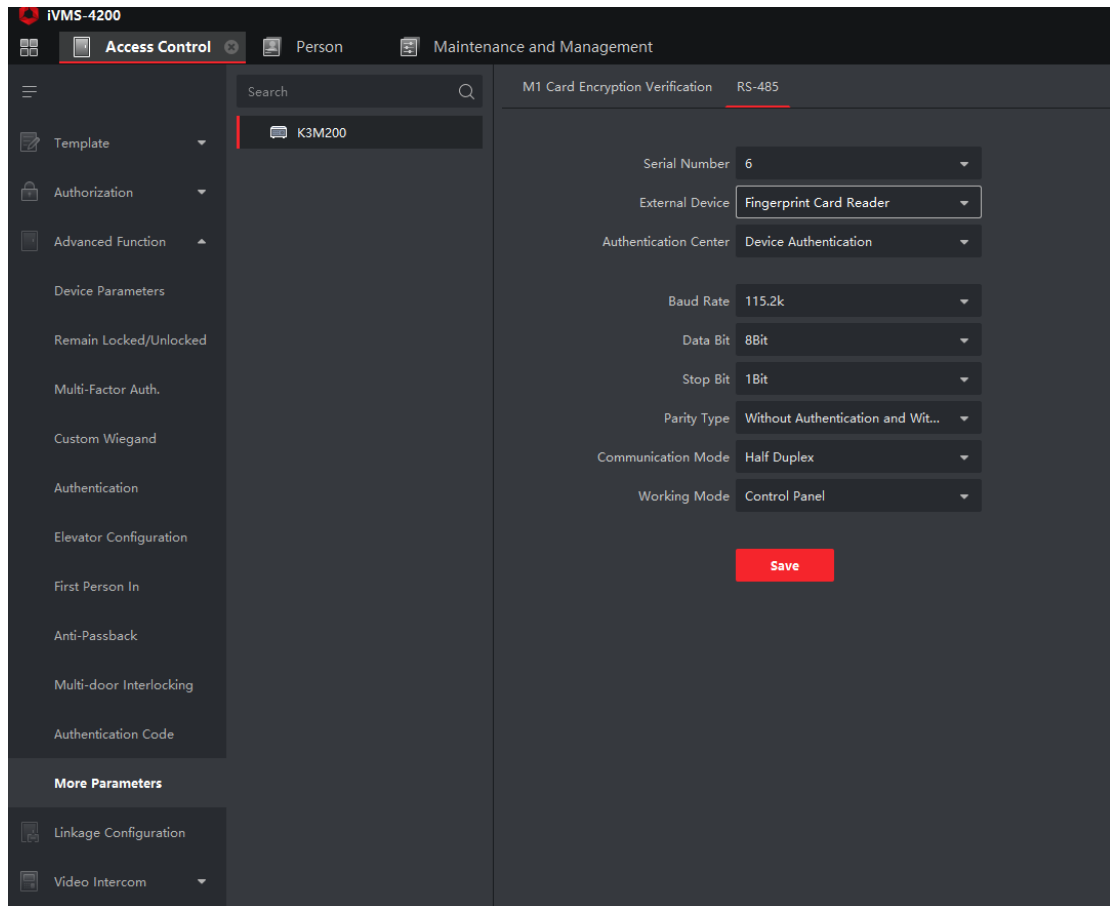
(1) K3M200 串口 4 配置参数如下图:

(1) Serial port 4 configuration parameters of K3M200 are as follows:



(2) K3M200 串口 6 配置参数如下图:

(2) Serial port 6 configuration parameters of K3M200 are as follows:



PS:

- 1、该文档适用于 K3B501、K3B601 和 K3B801 的 K3M200 权限板。
1.This document applies to the K3M200 Access board for K3B501, K3B601 and K3B801.
- 2、指纹读卡器模块的 232 接口有 TX 和 RX、GND，TX 和 RX 可能需要对调一下测试。
2. The 232 interface of the fingerprint reader module has TX, RX, and GND. TX and RX may need to be swapped for testing.