

<b>Title:</b>	DS-K1200 Series Card Readers Connect to DS-K2600 Series Access Controllers	<b>Version:</b>	v1.0	<b>Date:</b>	6/21/2017
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# DS-K1200 Series Card Readers Connect to DS-K2600 Series Access Controllers

## Preparation

Connecting card reader to access controll is mainly applied to swiping card or fingerprints to open the door for entering and exiting. The models of card reader and access controller in this guide are as below:

Card Reader	Access Controller
DS-K1200MF	DS-K2601, DS-K2602,
DS-K1200EF	DS-K2604

## Notice

1. Please cut off power supply before wiring;
2. DS-K1200 Series Fingerprint Card Readers support private RS485 protocol; the details about RS-485 interface of fingerprint card reader are as below:



Color	Description
Blue	RS-485 -
Yellow	RS-485 +
Red	PWR (DC +12V)
Black	GND (Power Grounding)
Black	GND (RS-485 Grounding)

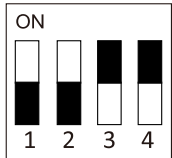
3. Correspondingly, there are RS485 interfaces in DS-K2600 series access controllers; you can find RS-485 interface at the same position in DS-K2601/02/04 access controllers, as pictures show:



4. Please check the rear panel of card reader and unscrew it, you could find DIP switch module; The No. of DIP switch from left to right is 1~4:



Icon	Description
	Represent 1 in binary mode
	Represent 0 in binary mode



For example, the binary value of the above status is 0011.

### Step 1: DIP Switch

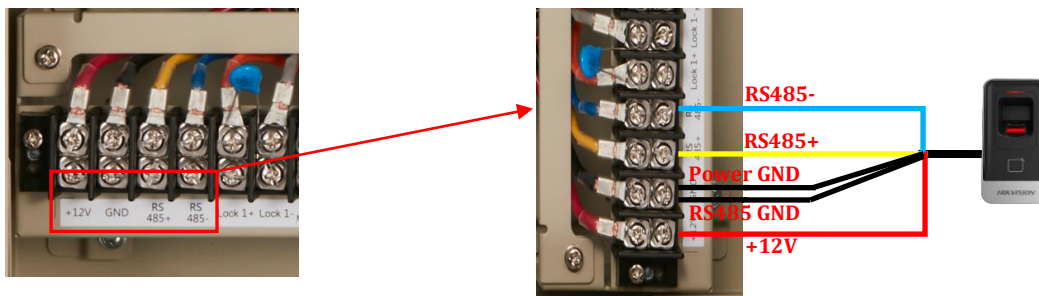
Please set the DIP switch firstly before connecting the card reader, more details about the binary value of the card reader by setting DIP Switch to correspond with the door, please check the table below:



DIP Switch Status	Door	Reader
1000	Door 1	Entrance Reader 1
0100		Eixt Reader 2
1100	Door 2	Entrance Reader 3
0010		Eixt Reader 4
1010	Door 3	Entrance Reader 5
0110		Eixt Reader 6
1110	Door 4	Entrance Reader 7
0001		Eixt Reader 8

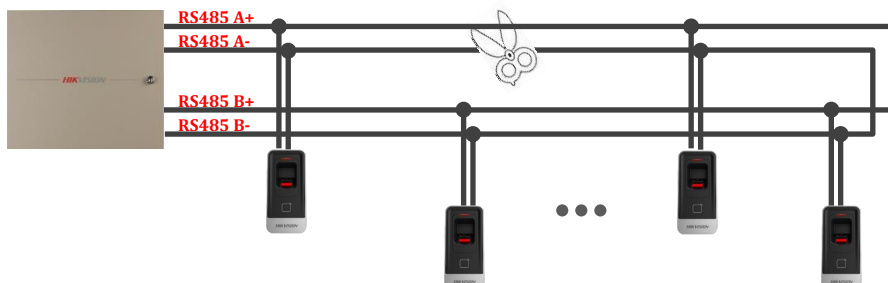
### Step 2: RS-485 Wiring

Please connect card reader to door station as following picture:



#### Note

1. Actually you can find RS485 A/B/C/D interfaces in access controller; we extend RS485 A interface to the wiring distribution for easier cable connection and we use RS485B interface for backup, the cable connection as following picture:



2. About wiring materials, we suggest customer choose RVVP cable.

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