

Title:	DS-K1100 Series Card Readers Connect to DS-K2600 Series Access Controllers by RS-485	Version:	v1.0	Date:	6/21/2017
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DS-K1200 Series Fingerprint Card Readers Connect to DS-K1T200 Series Access Control Terminal

Preparation

Connecting fingerprint card reader to access control 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 Control Terminal
DS-K1200MF	DS-K1T200MF/MF-C
DS-K1200EF	DS-K1T200EF/EF-C

Note

If the model of access control terminal is DS-K1T105E/E-C or DS-K1T200EF/EF-C, we suggest customers should match the following several card readers, such as DS-K1102E/EK, DS-K1107E/EK and DS-K1108E/EK; you can find the same symbol 'E' in the access control terminal and card reader model name, that means both devices can recognize the **EM** Card.

The 'M' access control terminal should be matched the 'M' card reader either, and they can recognize the **Mifare1** Card.

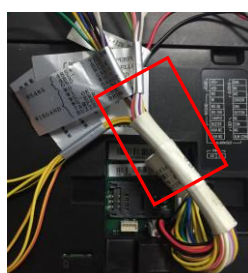
Notice

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-K1T200 series access control terminal; the details about RS-485 interface of DS-K1T200 series access control terminal are as below:



Interface		Color
RS485	RS485+	Yellow
	RS485-	Blue
	GND	Black

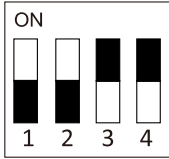
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4. Please check the rear panel of card reader and unscrew it, you could find DIP switch module;
The No. of DIP switch from left to right is 1~4:



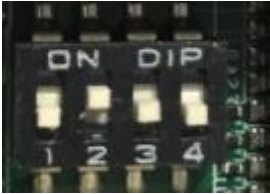
Icon	Description
	Represent 1 in binary mode
	Represent 0 in binary mode



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

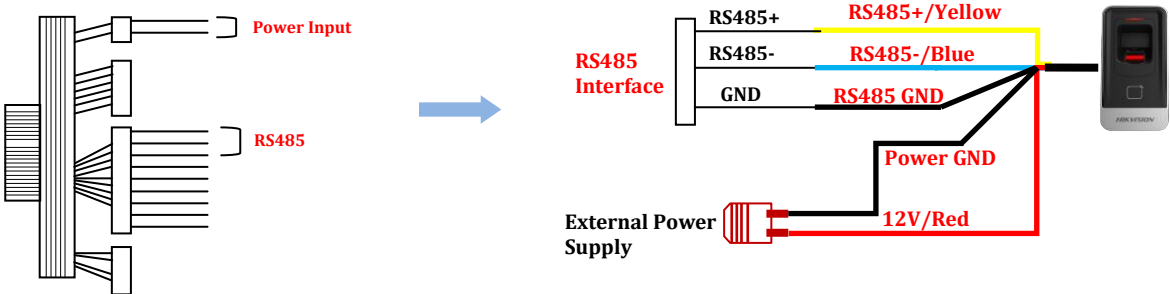
Step 1: DIP Switch

Please set the DIP switch firstly before connecting the card reader, the binary value of the card reader is 0100, please set as the following picture;



Step 2: RS-485 Wiring

We recommend that customers use **external power supply** to fingerprint card reader.
Please connect card reader to door station as following picture:



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