



FEASYCOM FSC-SYR20C-COM Virtual Serial Card Reader Owner's Manual

[Home](#) » [FEASYCOM](#) » FEASYCOM FSC-SYR20C-COM Virtual Serial Card Reader Owner's Manual 

FEASYCOM FSC-SYR20C-COM Virtual Serial Card Reader Owner's Manual



Contents

- [1 Introduction](#)
- [2 Documents / Resources](#)
 - [2.1 References](#)
- [3 Related Posts](#)

Introduction

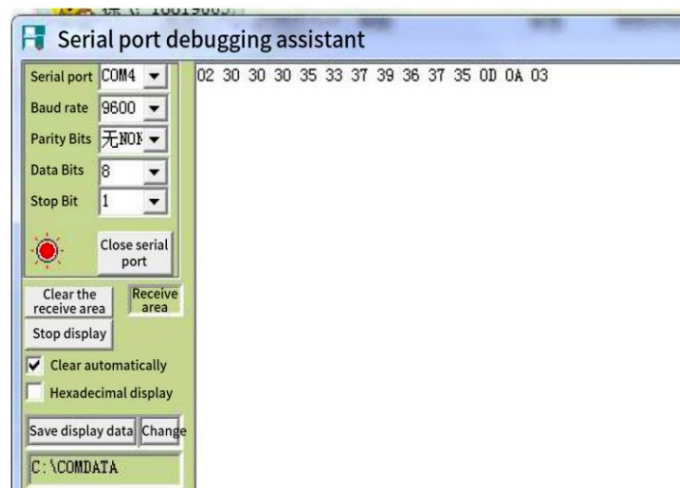
FSC-SYR20C-COM Virtual Serial Card Reader is a 13.56Mhz card reader device that uses a standard USB interface converted to a serial port (require driver installation), and the USB interface to achieve the serial data output function in line with the ISO14443A international standard. The user connects the USB interface of the card reader with the USB interface of the computer or other devices, which directly solves the communication between the card reader and the computer or other devices without COM port. It has the characteristics of stable and reliable communication, sensitive induction and extremely fast card swiping speed. When the ID tag sheet is close

to the card reader, the factory serial number (i.e. UID number) of the RFID card will be reflected in the window of the serial port debugging assistant, which is equivalent to automatic keyboard input. It has been widely used in attendance system card issuance, consumption system card issuance, meal ordering system ordering and other application systems.

Basic parameters:

Project	parameters	Project	parameters
Operating frequency	13.56Mhz	Standard	ISO 14443A
Reading type	MF\S50\S70 etc.	Operating temperature	-20°C~70°C
Operating voltage	5V	Operating current	100mA
Reading distance	0~80mm	Reading time	100ms
Reading speed	0.2s	Reading spacing	0.5S
Product size	104mm×68mm×10mm	Weight	About 140g
Communication interface	USB [emulated serial port] (baud rate selectable: 9600, 19200, 115200, etc.)		
Operating system	Win XP\Win CE\Win 7\Win 10\LIUNIX\Vista\Android		
Other	Status Indicator: 2-colour LED (“red” power LED, “green” status indicator) Built-in speaker: Buzzer, LED and buzzer can be controlled. Output Format: Default starts with 02, ends with 03, default baud rate: 9600		

Usage and Precaution



Usage/Installation

1. In the computer or other equipment platform system to install the virtual serial port driver (when the device is connected to the computer, some computers such as Win7, Win10 will install automatically the driver).
2. To be connected to the USB interface of the card reader computer USB interface, card reader from the “drop” a

start into the self-test and initialization, the card reader has entered the waiting for the card state, the moment the indicator is “red”. Test card reader to read the label method: open the serial port debugging assistant, select the corresponding COM port, the card near the card reader, the red light to green light flashes and then become red, the buzzer sounded a data transmission, that is, automatically in the cursor shows the card number. As shown in the picture:

Detecting the card reader’s connection to the computer

Card reader into the card state, open the computer “device manager”, check whether the option menu appears in the ergonomic input device, if there is, it shows that the device has been successfully connected to the computer.

Precautions and Simple Troubleshooting

- This reader can not read the details of the ID card, only the ID chip global unique series number.
 - Many factors affecting the reading distance, due to the use of different protocols, different antenna design, the surrounding environment (mainly metal objects), etc., will affect the actual reading distance.
 - Way to read the card, It is recommended to approach the card reader naturally with the ID card, with the ID card from the side of the fast scratch the card reading method is not desirable, does not guarantee the success of the card.
 - When swiping the card, it is recommended not to operate the mouse to avoid errors in the transmission of data.
 - No response to brush the card: whether the interface is inserted; whether the card is in line with the ISO14443A protocol the red light to green light flashes and then become red, the buzzer sounded a data transmission, that is, automatically in the cursor shows the card number. As shown in the picture:
- 2 Detecting the card reader’s connection to the computer Card reader into the card state, open the computer “device manager”, check whether the option menu appears in the ergonomic input device, if there is, it shows that the device has been successfully connected to the computer.

Precautions and Simple Troubleshooting

- This reader can not read the details of the ID card, only the ID chip global unique series number.
- Many factors affecting the reading distance, due to the use of different protocols, different antenna design, the surrounding environment (mainly metal objects), etc., will affect the actual reading distance.
- Way to read the card, It is recommended to approach the card reader naturally with the ID card, with the ID card from the side of the fast scratch the card reading method is not desirable, does not guarantee the success of the card.
- When swiping the card, it is recommended not to operate the mouse to avoid errors in the transmission of data.
- No response to brush the card: whether the interface is inserted; whether the card is in line with the ISO14443A protocol

Documents / Resources



[FEASYCOM FSC-SYR20C-COM Virtual Serial Card Reader](#) [pdf] Owner's Manual
FSC-SYR20C-COM, FSC-SYR20C-COM Virtual Serial Card Reader, Virtual Serial Card
Reader, Card Reader, Reader

References

- [Feasycom IOT Modules](#)