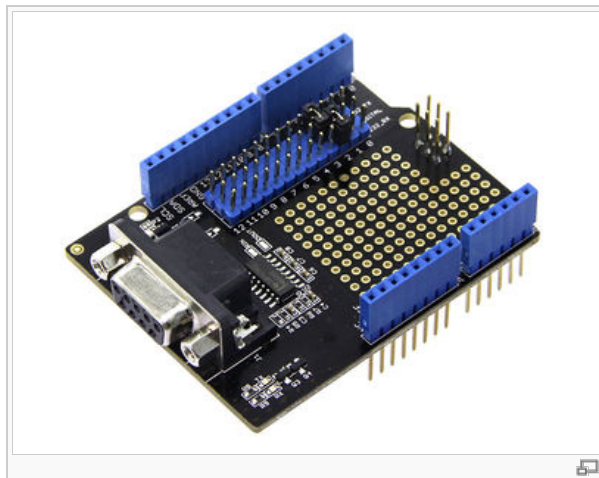


RS232 Shield

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Introduction

RS232 Shield is a standard communication port for industry equipment. This module is based on MAX232, which is a dual driver/receiver that includes a capacitive voltage generator to supply TIA/EIA-232-F voltage levels from a single 5-V supply. The shield integrates DB9 connectors (female) that provide connection to various devices with RS232 interface.

Also the RS232 headers will facilitate your connections and commissioning. It provides the welding areas to make full use of extra space on it, which is highly convenient for prototyping.

Specification

- Meets or Exceeds TIA/EIA-232-F and ITU
- Operates Up To 120 kbit/s
- Low Supply Current
- LED Indicator
- DB9 Connectors (female)
- Welding Areas

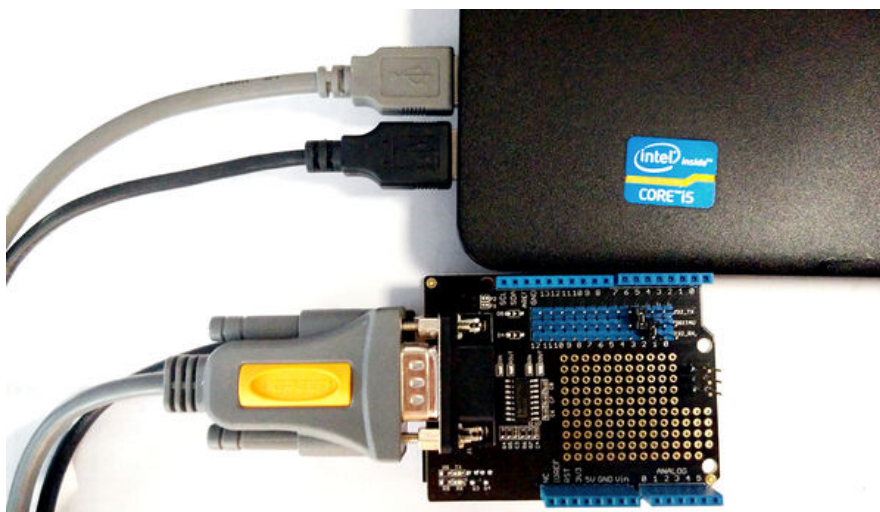
Interface Function

Usage

First, we can test it by computer.

Hardware Installation

- 1) Seeeduino v3.0, Mini usb Cable, RS232 Shield, RS232 to USB Cable.
- 2) As show:



Software Part

- 1) Open Arduino IDE, and copy the code.

```
#include <SoftwareSerial.h>

SoftwareSerial mySerial(6, 7); // RX, TX

void setup()
{
  // Open serial communications and wait for port to open:
```

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```

Serial.begin(9600);
while (!Serial) {
  ; // wait for serial port to connect. Needed for Leonardo only
}

Serial.println("Goodnight moon!");

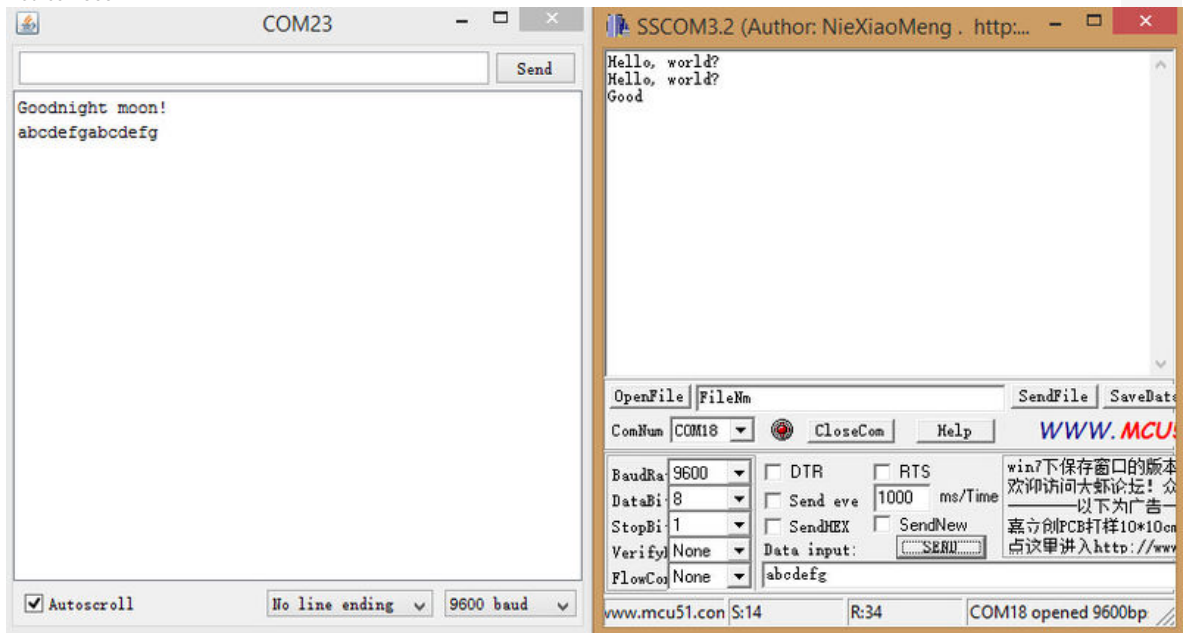
// set the data rate for the SoftwareSerial port
mySerial.begin(9600);
mySerial.println("Hello, world?");
}

void loop() // run over and over
{
  if (mySerial.available())
    Serial.write(mySerial.read());
  if (Serial.available())
    mySerial.write(Serial.read());
}

```

- 2) Upload the code. Note that you should select the correct board type and COM port.
- 3) Open the Serial Monitor.

You can see :



Resource

- [\[RS232 Shield eagle file\]](#)
- [\[RS232_Shield_v1.0.pdf\]](#)
- [\[Datasheet MAX232D.pdf\]](#)

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