

KS0406 keyestudio RS232 to TTL Conversion Shield Compatible with Arduino

Description:

designed for UNO R3 control board, very convenient to change the serial port into RS232 interface.

The shield comes with a DB9 connector (male head), easy to connect various RS232 interface equipment. It also comes with a RS232 pin header for connection and debugging.

It even comes with soldering area for DIY design, so you can make full use of this shield. On the shield there is a programming mode control switch; turn OFF for burning the program to UNO R3; turn ON for normal use.



Specification:

Power supply: DC 5V Comes with 16 digital IO pins (with an I2C pin) Comes with 6 analog IO and power Comes with a run/programming switch Comes with transmitting, receiving indicator and D13 indicator DB9 connector (male head) 、RS232 pin headers Soldering area Comes with a Reset button Dimensions: 60*53.4MM Environmental properties: ROHS

signal receiving led DB9 interface B89 interface Reset button max2232 chip

run/programming control switch

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Sample Code

| mple Code: |
|---|
| int led = 13; // define LED pin |
| void setup() |
| { |
| Serial.begin(9600); //initialize the serial port |
| pinMode(led,OUTPUT); |
| } |
| void loop() |
| { |
| int temp; //temporary cache of serial data |
| if(Serial.available()) //if serial port receives the data |
| { |
| temp=Serial.read(); //save the received data |
| if(temp=='V'){ |
| digitalWrite(led,1-digitalRead(led)); //if received data is the character"V", change the LED state. |
| Serial.println("OK"); //reply OK, means that the character"V" has been received and the LED state changed |
| } |
| } |
| } |

Result:

cable. Then connect the shield with RS232 serial port cable. Turn the switch OFF, begin to burn the test program.

Programmed success, turn the switch ON, and open the serial debugging tool, select the proper Port COM1 (note the baud rate should set to 9600).

Data sending window will show "V", and receiving window will show "OK". You should see the built-in TX1 and RXD indicator flashing on. Each time send the "V", onboard L light turns on, send again, the L light will turn off, repeatedly.

Debugging Tool: https://drive.google.com/drive/folders/1vmVS9VmgC4v6KWGTVrXIuwDXtBfpxImN

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| 路由模式设置和FI名称及密码 | | 08 |
| VIFI名称: ESP8266 | | OK |
| WIFI密码: 0123456789 说置 | | 000 |
| 加密方式: OPEN ~ | | OK OK |
| AF模式连接WIFI | | OK OK |
| YIFI名称: ESP8286 | | 000 |
| ¥IFI宝码: 0123456789 | | |
| | | |
| 设置服务都时间 | | |
| 超时时间/秒: 180 设置 | | |
| 设置为客户端模式 | | |
| 服务器17: 192.168.1.100 设置 | | |
| 通讯协议: TCP > 编口号: 5000 | | |
| 设置为服务器模式 | × | |
| 服务器端口号: 5000 设置 | 502 J | |
| | | 3 |
| ES76266常用命令 新試AI 實位重白 版本信息 扫描AIFI | Y | 8 |
| | | |
| 连接状态 设置单词接 设置多词接 邮开#IFI | | 请空教福 |
| 透传模式 率透传模式 联网升级《雷先连接公网) | | 青空发送教练 青空擦收数据 |
| 查调模块自身12 查询工作模式 查询已接入设备12 | | 发送与接收计数 |
| · 查询服务却推过间 | AT发送 文本发送 | 发送: 45 算份计数 |
| | | 播收: 80 SCL 11 SK |

Resources:

https://wiki.keyestudio.com/KS0406 keyestudio RS232 to TTL Conversion Shield Compatible with Arduino