

USB relay module

Overcurrent protection/Smart command control switch/Smart home

产品特点

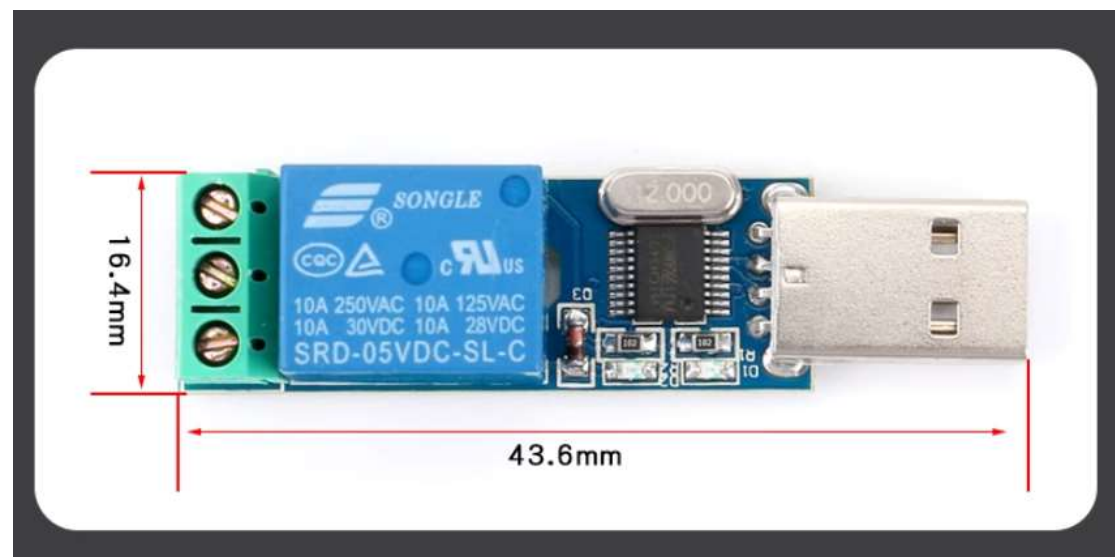
Product characteristics

LCUS-1 type USB relay module is equipped with a stable performance of USB to serial chip and microcontroller, can use serial debugging software in the computer to send serial command to control the 1 relay on and off.

产品详情

Product details

| | |
|---------------------|---|
| Controller chip | Onboard high-performance microcontrol chip |
| Control chip | Onboard CH340 USB control chip |
| LED indicator | Onboard power LED indicator and relay status LED indicator |
| Relays | Onboard 5V, 10A/250VAC, 10A/30VsC relays with long relay life and 100,000 consecutive draws |
| Protection Features | has over current protection and relay diode continuous current protection functions |



Interface definition

Relay normally closed interface relay shorted with COM before suction, suspended U2NCCoM after suction



Relay normally open interface
relay suspension before suction,

When NO NC COM is connected, it cannot be
shorted with COM after sucking

Connect L and N to the three ports at the same time
Two of them, otherwise it will be dangerous.

COM can be used as L (or N)

Access point, NO (or NC) as (or
N) is the output point.

LC USB switch Default communication baud rate:

9600BPSLC USB switch communication protocol

Data (1) -- Start identifier (default is 0*A0)

Data (2) -- Switch address code (default is 0*01, marking the
first switch) Data (3) -- Operation data (0*00 is "Off", 0*01 is
"on") Data (4) -- Check code example:

Turn on USB switch: A0 01 01 A2

Turn USB switch off: A0 01 00 A1

Usage method

Step 1: Plug the USB relay module into the computer, install the CH340 USB to serial chip driver

Step 2: open STC-ISP, SSCOM32 serial debugging software, select the baud rate of 9600,

Send A0 01 01 A2 in hexadecimal (hex) form to open the relay; In hexadecimal (hex) form to send A0 01 00 A1 off relay, you can choose to send manually or automatically, the following sSCOM32 serial debugging software example:

For example:

► Send manually

Select Baud rate 9600, check "HEX" to send, enter the instruction A0 01 01 A2 or A0 01 00 A1 and hit "Send". The relay can be turned on or off.



► Automatic transmission

Select baud rate 9600, click "Extend" in SSCOM32 interface, enter the instruction A0 01 01 A2 or A0 01 00 A1, check "HEX" to send, enter the interval of automatic cycle to send, check "automatic cycle to send", the relay can automatically cycle open and close.

SSCOM3.2

多条字符串定义 | 串口资料 |

| HEX | 字符串 | 发送 |
|-------------------------------------|-------------|----|
| <input checked="" type="checkbox"/> | A0 01 01 A2 | 1 |
| <input checked="" type="checkbox"/> | A0 01 00 A1 | 2 |
| <input type="checkbox"/> | | 3 |
| <input type="checkbox"/> | | 4 |
| <input type="checkbox"/> | | 5 |
| <input type="checkbox"/> | | 6 |
| <input type="checkbox"/> | | 7 |
| <input type="checkbox"/> | | 8 |
| <input type="checkbox"/> | | 9 |
| <input type="checkbox"/> | | 10 |

☒ 自动循环发送, 间隔: 1000 ms

打开文件 | 文件名

发送文件 | 保存窗口 | 清除窗口 | ☐ HEX显示

串口号 COM16

☒ 打开串口

帮助

WWW.MCU51.COM

隐藏

波特率 9600

数据位 8

停止位 1

校验位 None

流控制 None

☐ DTR

☐ RTS

☐ 定时发送 1000 ms/次

☒ HEX发送

☐ 发送换行

字符串输入框: A0 01 00 A1

发送

★★★SSCOM升级到5.09a版本★★★ 新开大窗

增加STM32ISP, 转义符, 数据分包, CRC16, 自定义波特率

[点击下载]www.daxia.com/sscom/sscom5.09a.exe

嘉立创提供PCB打样, 元器件, SMT一条龙服务.

S:24

R:0

COM16 已关闭 9600bps

CTS=0 DSR=0 RL

产品实拍

Product Photograph

