NOYITO 5V 2-Channel Micro USB Relay Module

User Manual

Description

NOYITO 2-Channel Micro USB Relay Module is equipped with a stable USB to serial port chip and a microcontroller. It can use the serial port debugging software to send serial commands on the computer to control the opening and closing of the 2-channel relay.

Features:

1. Onboard high-performance microcontrollers chip;
2. Onboard CH340 USB control chip;
3. Onboard power LED and relay status LED;
4. Onboard 2-way 5V, 10A / 250VAC, 10A / 30VDC relays, relay life can be a continuous pull 10 million times;
5. Module with overcurrent protection and relay diode freewheeling protection;

Hardware introduction and description

Board size: 50 x 40mm

Board Interface Description:

COM1: common;

NC1: normally closed;

NO1: normally open.

COM2: common;

NC2: normally closed;

NO2: normally open.

Communication protocol description:

LC USB switch default communication baud rate: 9600BPS

Open the first USB switch: A0 01 01 A2

Turn off the first USB switch: A0 01 00 A1

Open the second USB switch: A0 02 01 A3

Turn off the second USB switch: A0 02 00 A2

USB switch communication protocol

Data (1) --- start flag (default is 0xA0)

Data (2) --- switch address codes (0x01 and 0x02 represent the first and second switches, respectively)

Data (3) --- operating data (0x00 is "off", 0x01 is "on")

Data (4) --- check code

Usage Description:

1. Connect the USB relay module to the computer and install the CH340 USB to serial chip driver

2. Open the STC-ISP, SSCOM32 such serial debugging software, select the baud rate of 9600, in hexadecimal (hex) form send A0 01 01 A2 and A0 02 01 A3 can be opened the first and second relay ; Send in hexadecimal (hex) A0 01 00 A1 and A0 02 00 A2 can be turned off the first and second relay, respectively.