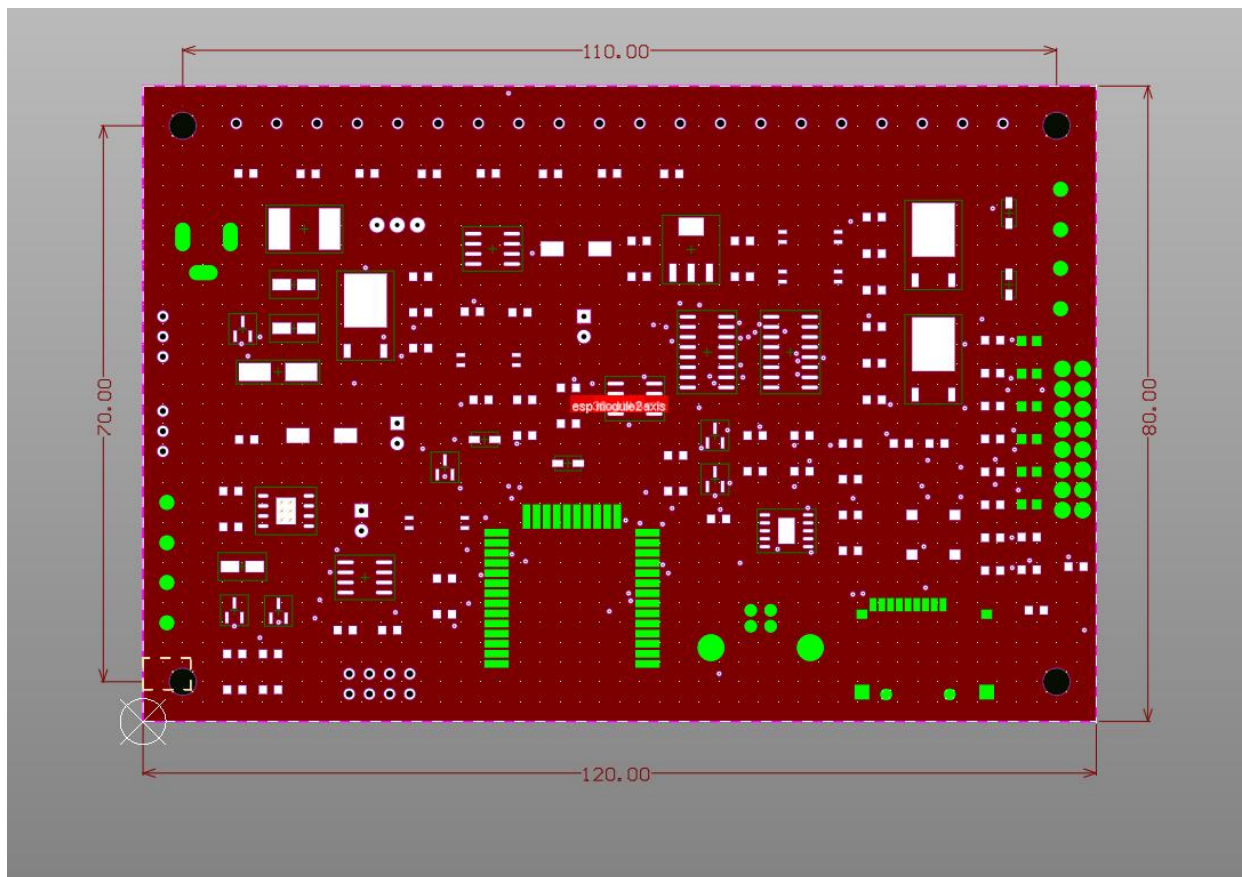
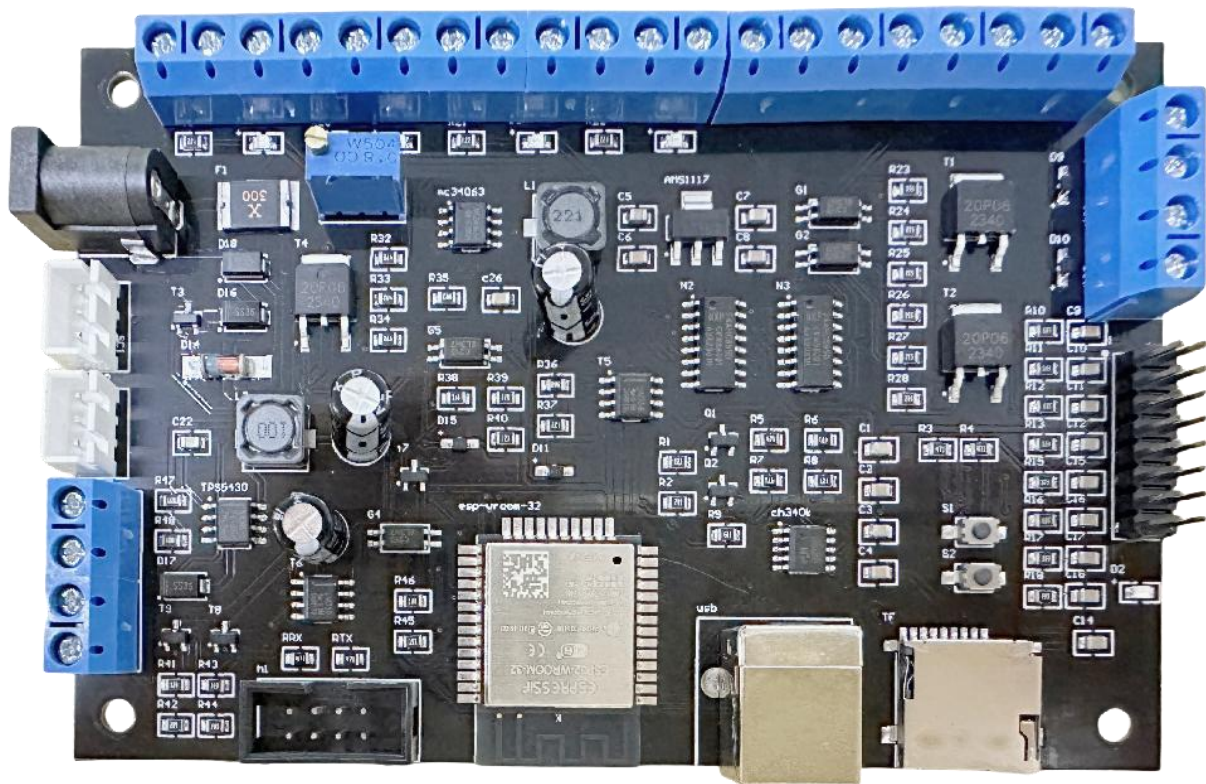


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Features

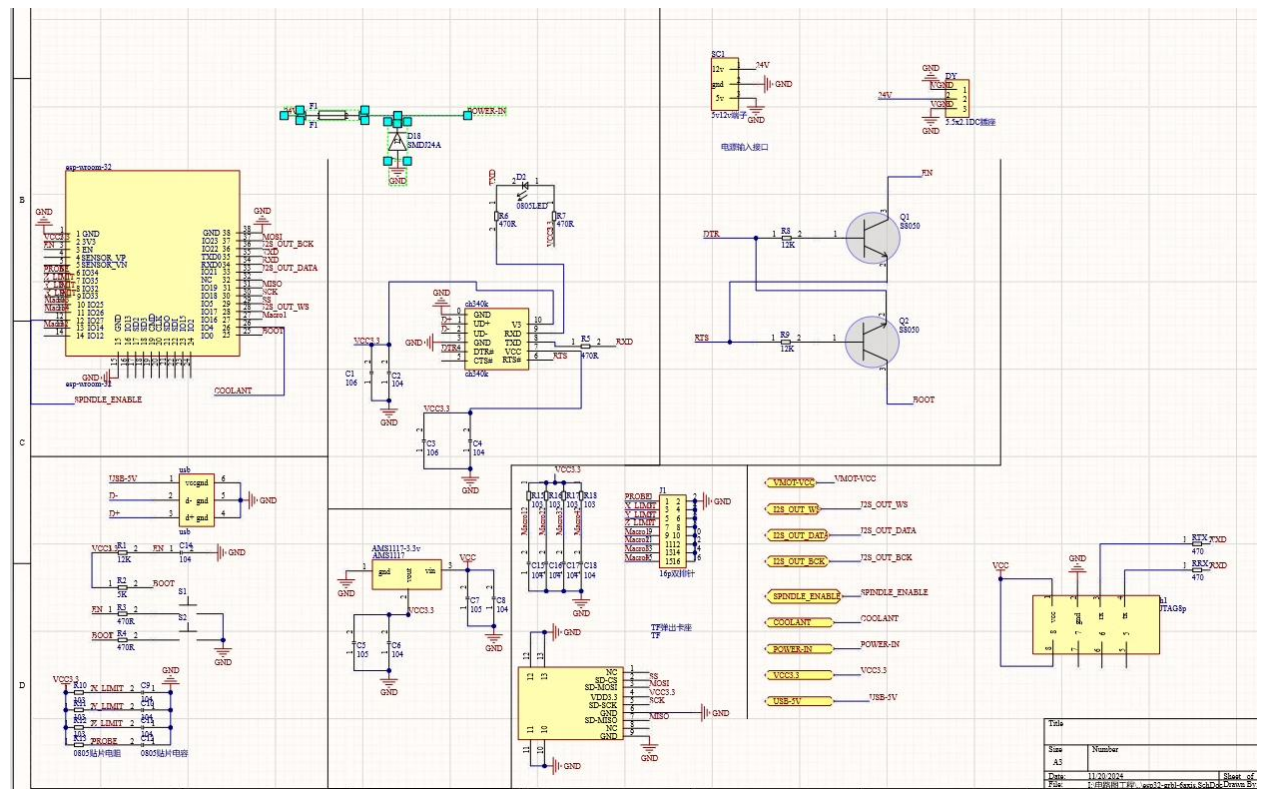
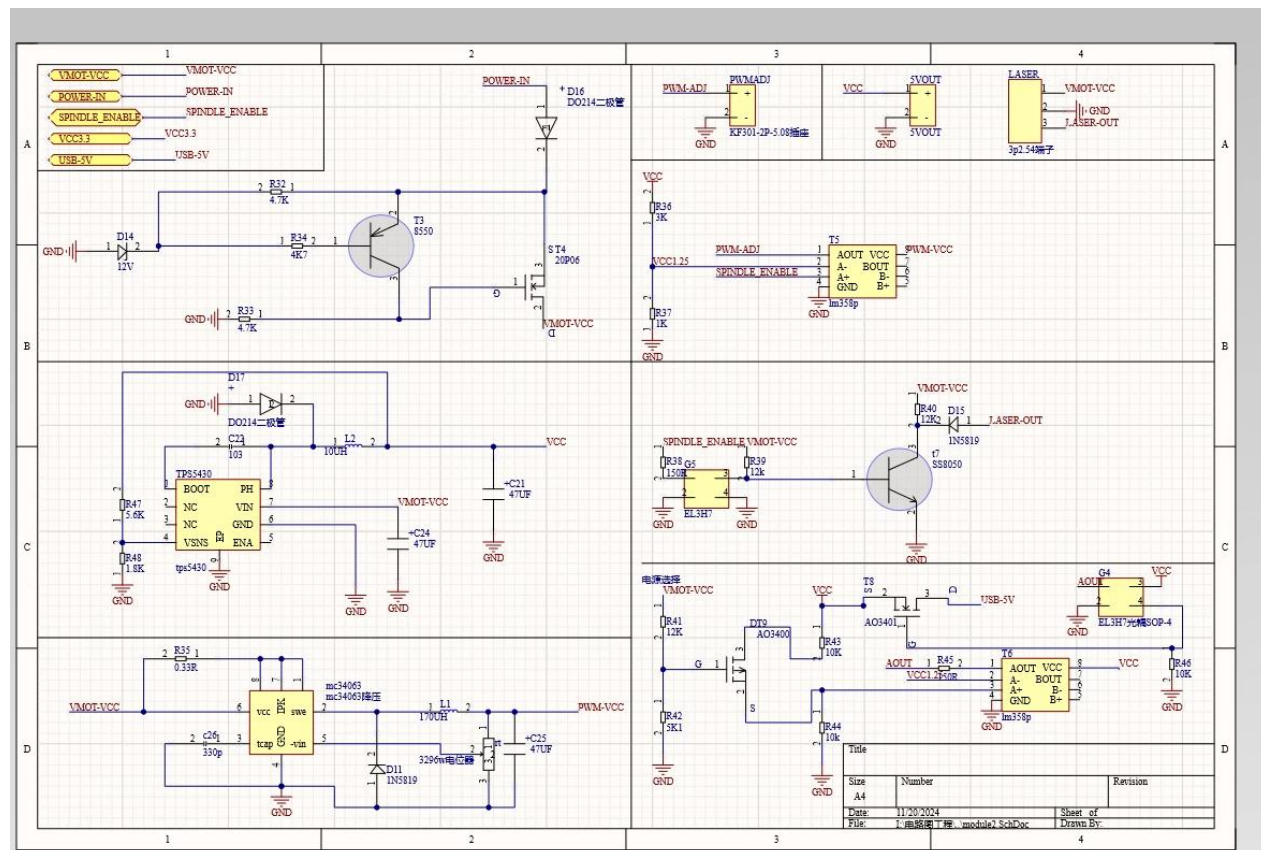
- ❖ Adopting ESP32 16-bit high-speed processor
- ❖ Compatible with GRBL software,Such as Candle,Bcnc,CNC3D COMMANDER...
- ❖ Support four stepper drivers,including X,Y,Z,A axis.
- ❖ Support Homing,software/hardware endstop,Z probe.
- ❖ Support hotspot,Wifi wireless to control
- ❖ Support 3pin laser.Adjustable voltage PWM output.
- ❖ Support 12-24V DC

Auto-cut off power when voltage exceeding 30V.

Automatically select external power supply as the main control input power,
and prevent reverse power transmission,protect USB port.

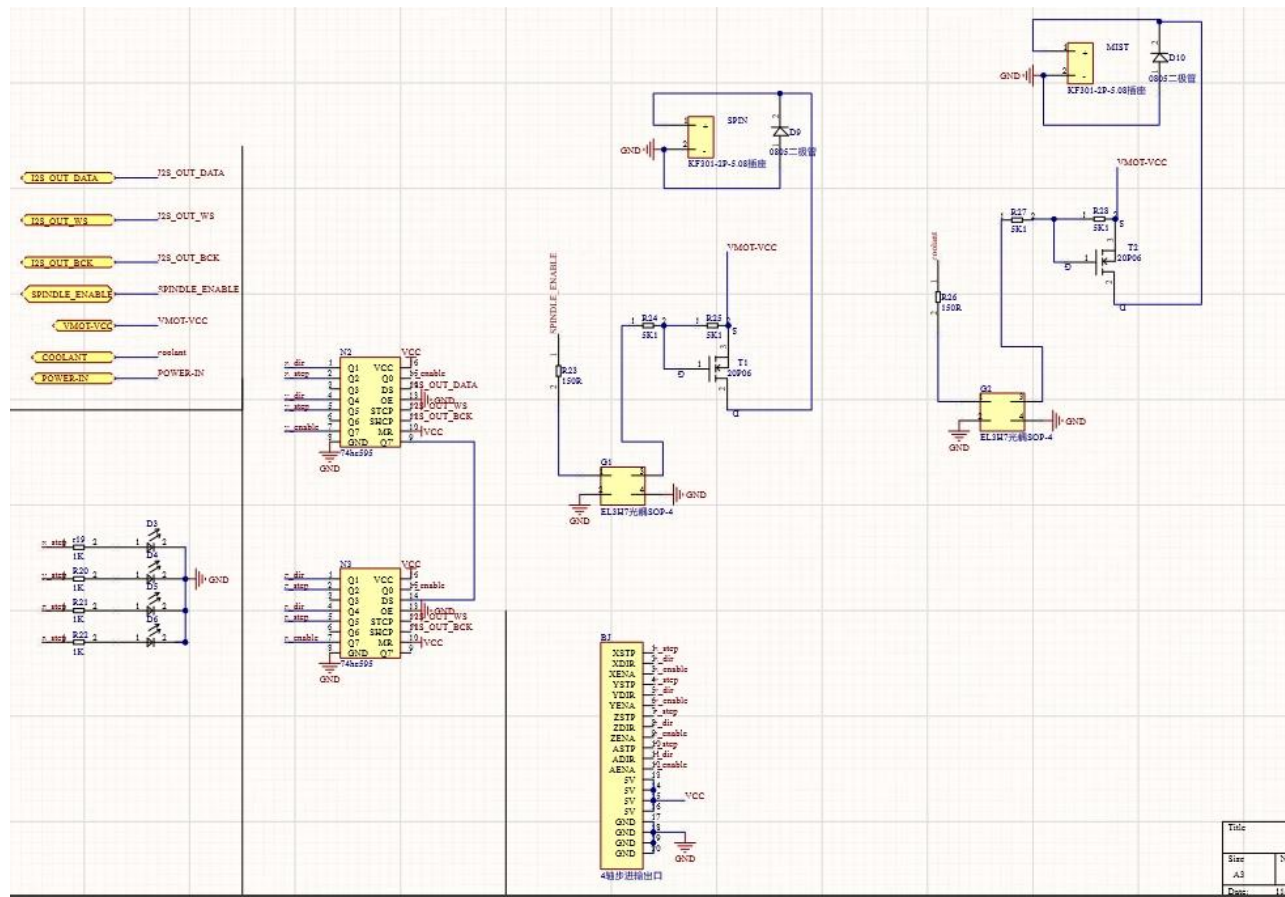
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How to buy.

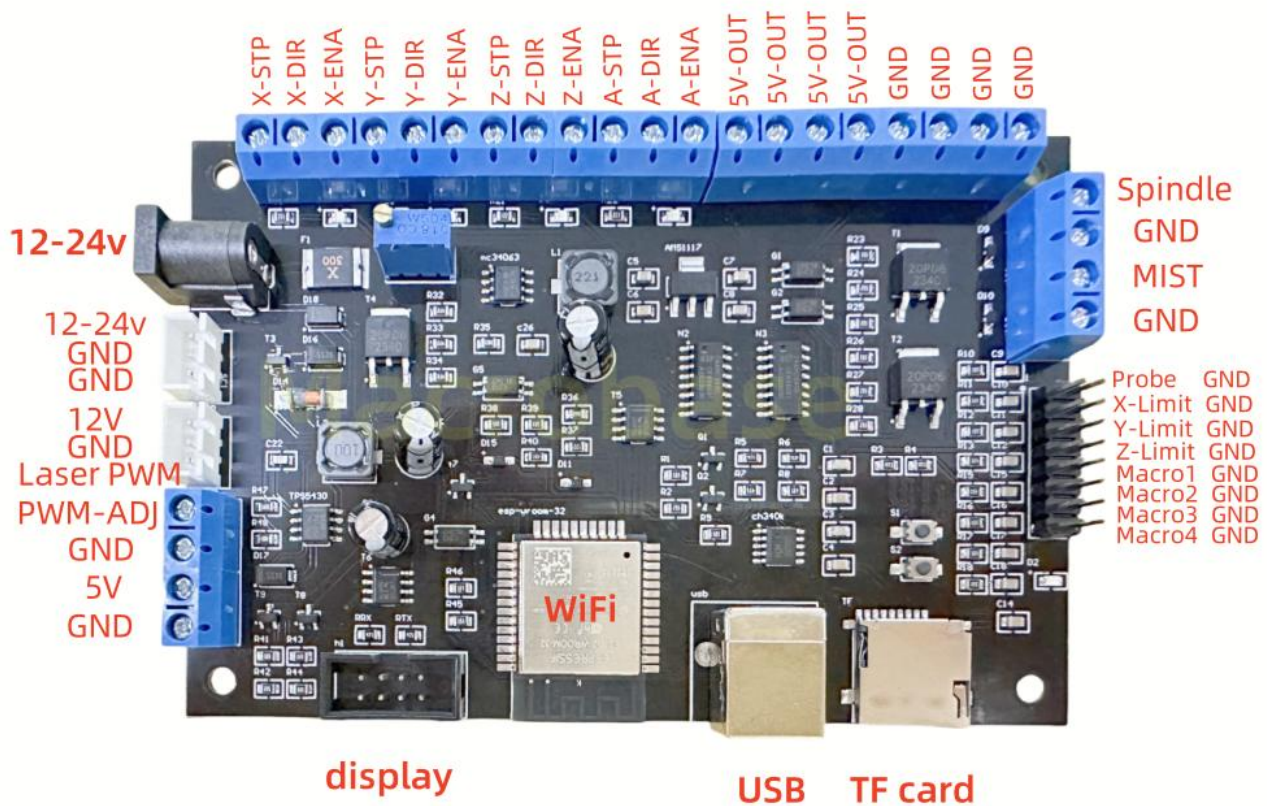
<http://www.aliexpress.com/item/info/1005008125876632.html>



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Wiring

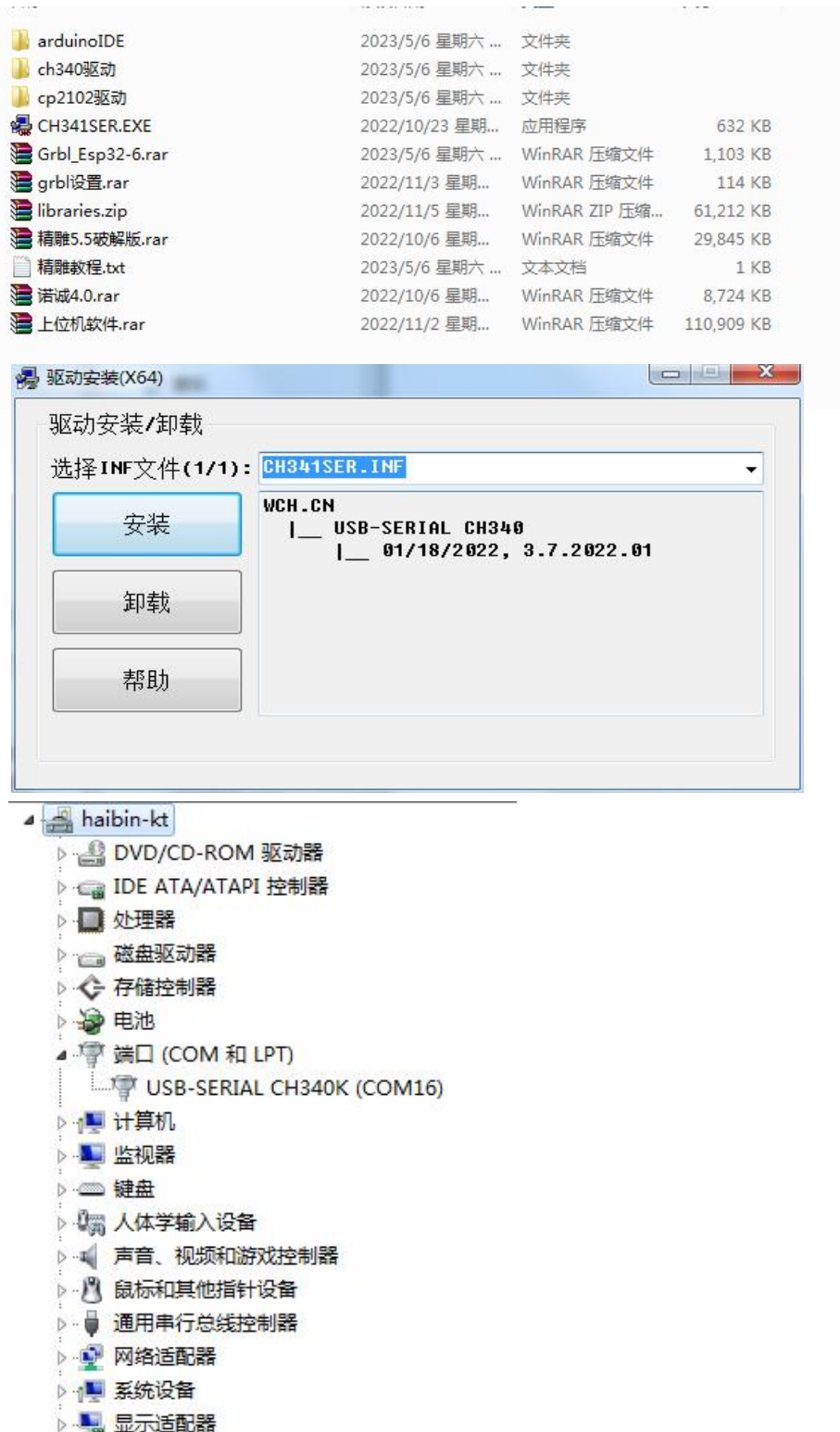


PROBE	Z-probe
X-LIM	X limit,Always on
Y-LIM	Y limit,Always on
Z-LIM	Z limit,Always on
GND	XYZ axis com,Z probe
VCC	5V Output
GND	PWM ground
PWM-ADJ	PWM adjustable
GND	All drivers PUL-,EAN-,DIR-
X-STEP	X-PUL+
X-EAN	X-ENA+
X-DIR	X-DIR+

How to buy.

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Install ch340 USB Driver



Successfully install when CH340K comes up.

How to buy.

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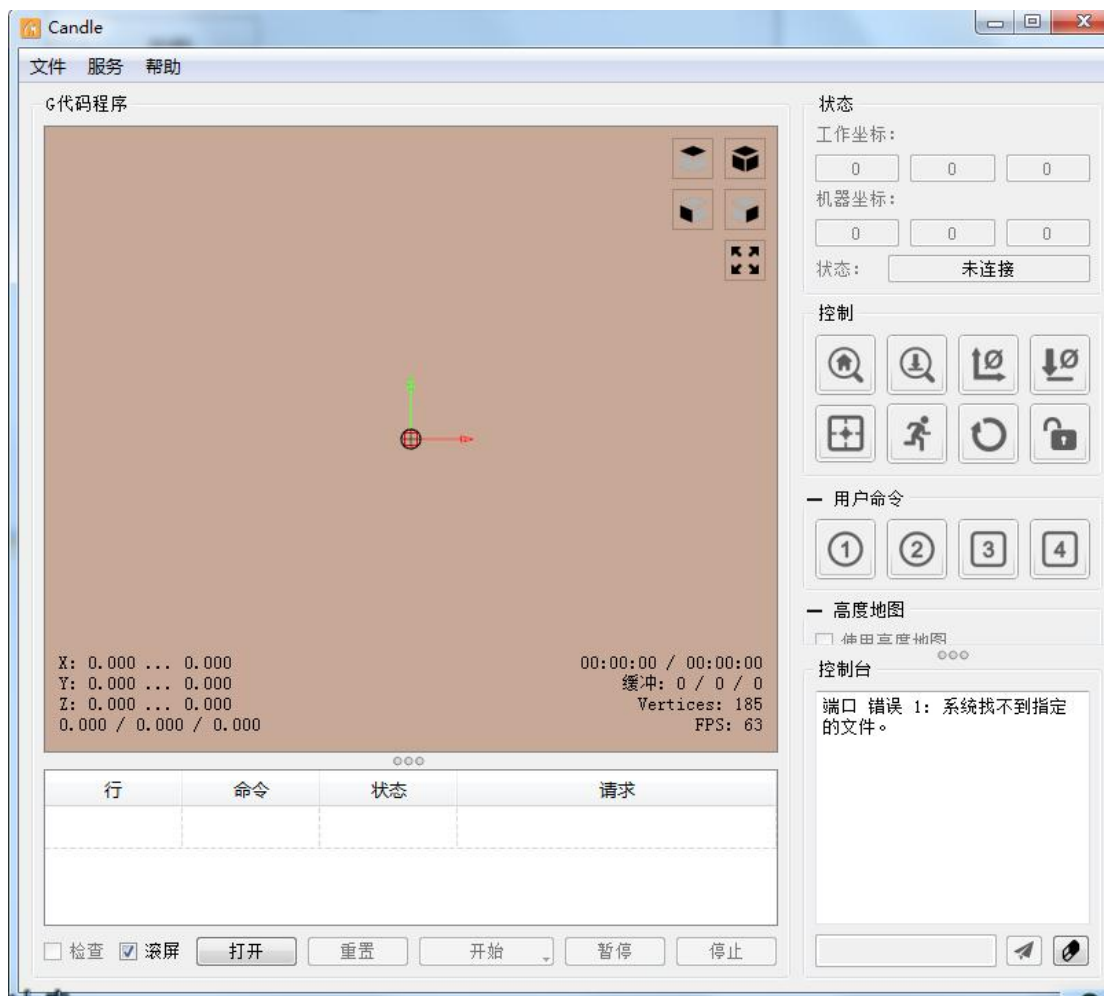
Software

Candle,CNC3dCommander and Bcnc.

上位机软件.rar 2022/11/2 星期... WinRAR 压缩文件 110,909 KB

1.Candle

Unzip candle and open [candle.exe](#)



How to buy.

<http://www.aliexpress.com/item/info/1005008125876632.html>

设置

连接

发送者

机器信息

控制

用户命令

高度地图

解析器

可视化工具

工具模型

控制台

面板

颜色

字体

连接

端口：

COM6

波特率：

115200

发送者

☐ 忽略错误响应

☒ 从所选行发送前自动设置分析器状态

机器信息

状态查询周期：

250

单位：

毫米

快速速度：

0

加速度：

10

主轴最小转速：

0

最大：

100

最小激光功率：

9

最大：

100

控制

对刀命令：

G90G21G38.2Z-50F100; G92Z1.6; G0Z10;

安全位置命令：

命令 1; 命令 2; ...

☒ “还原原点”将工具移入：

平面

用户命令

按钮 1：

命令 1; 命令 2; ...

设为默认值

确认

取消

状态

工作坐标：

0.000

0.000

0.000

机器坐标：

0.000

0.000

0.000

状态：

空闲

How to buy.

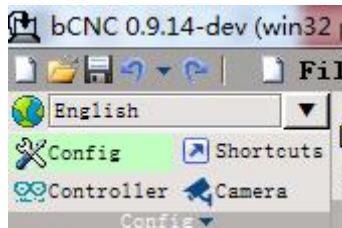
<http://www.aliexpress.com/item/info/1005008125876632.html>

2. BCNC

Plug control board to PC via USB cable, and enter bcnc.exe



Click CAM, select language.



Enable 6 axis displays, then reboot software.



Click file, select COM and open it.

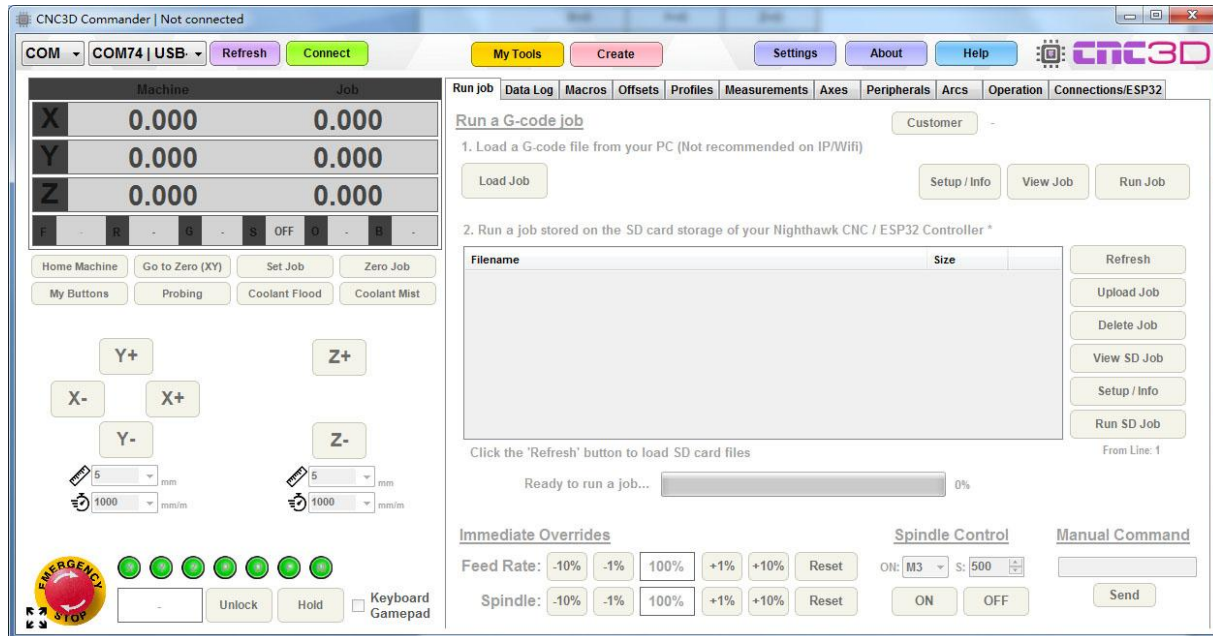


How to buy.

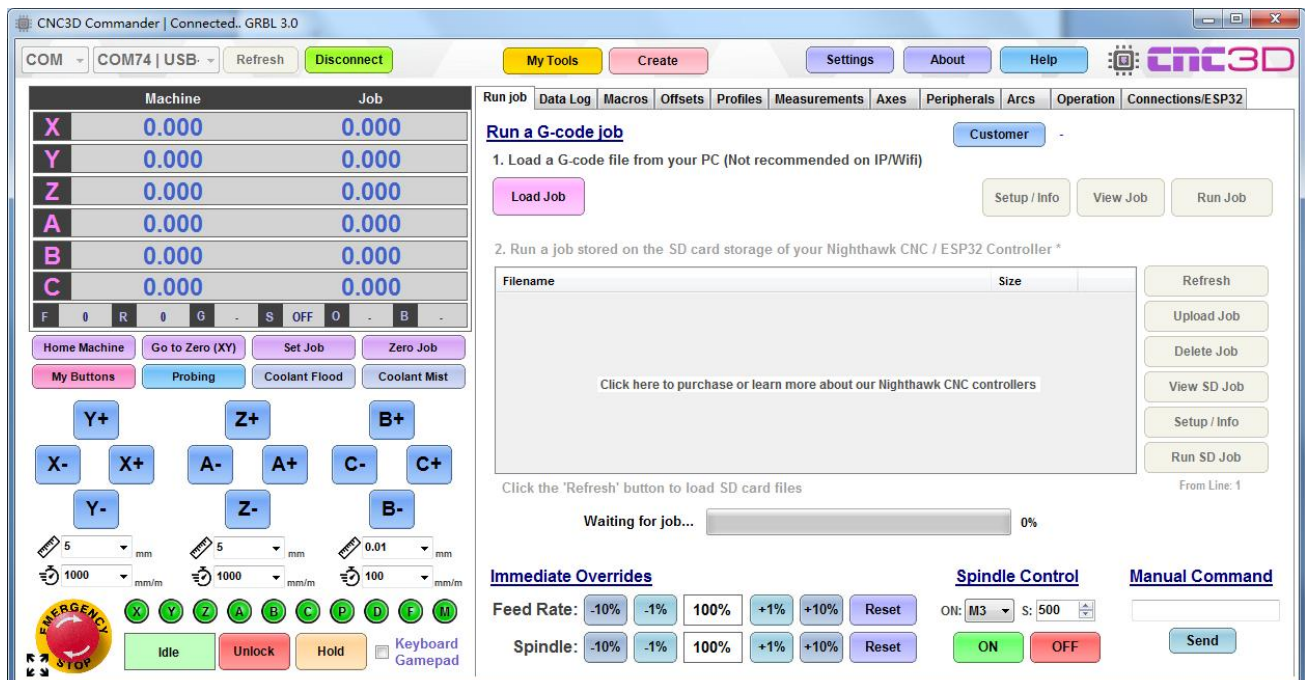
<http://www.aliexpress.com/item/info/1005008125876632.html>

3.CNC3d Commander

Open CNC3dcommander as below

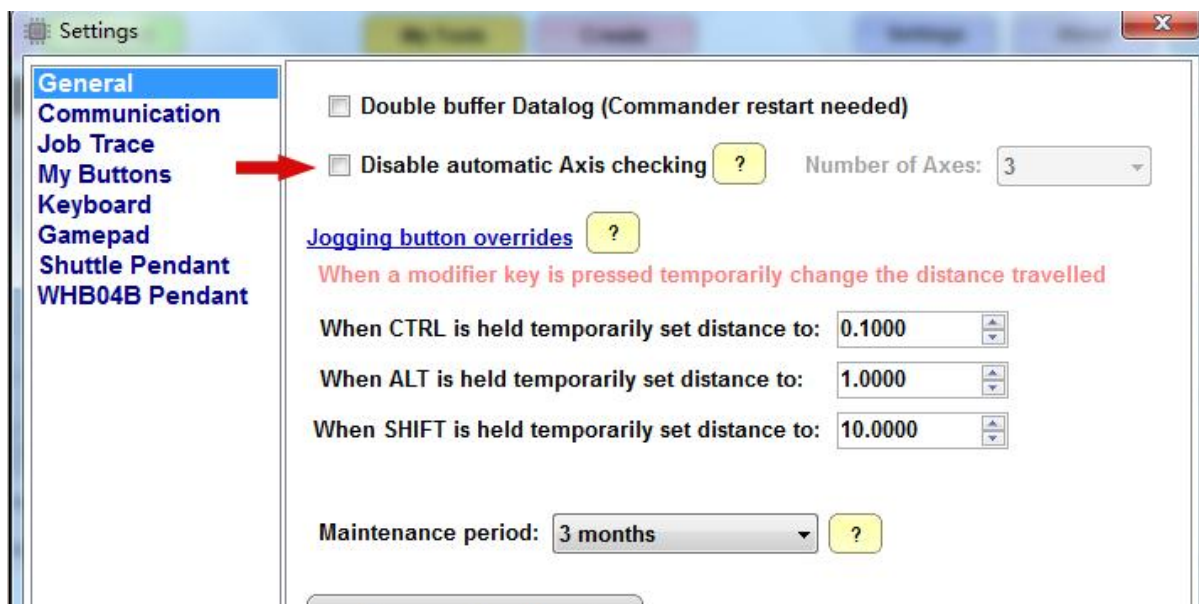
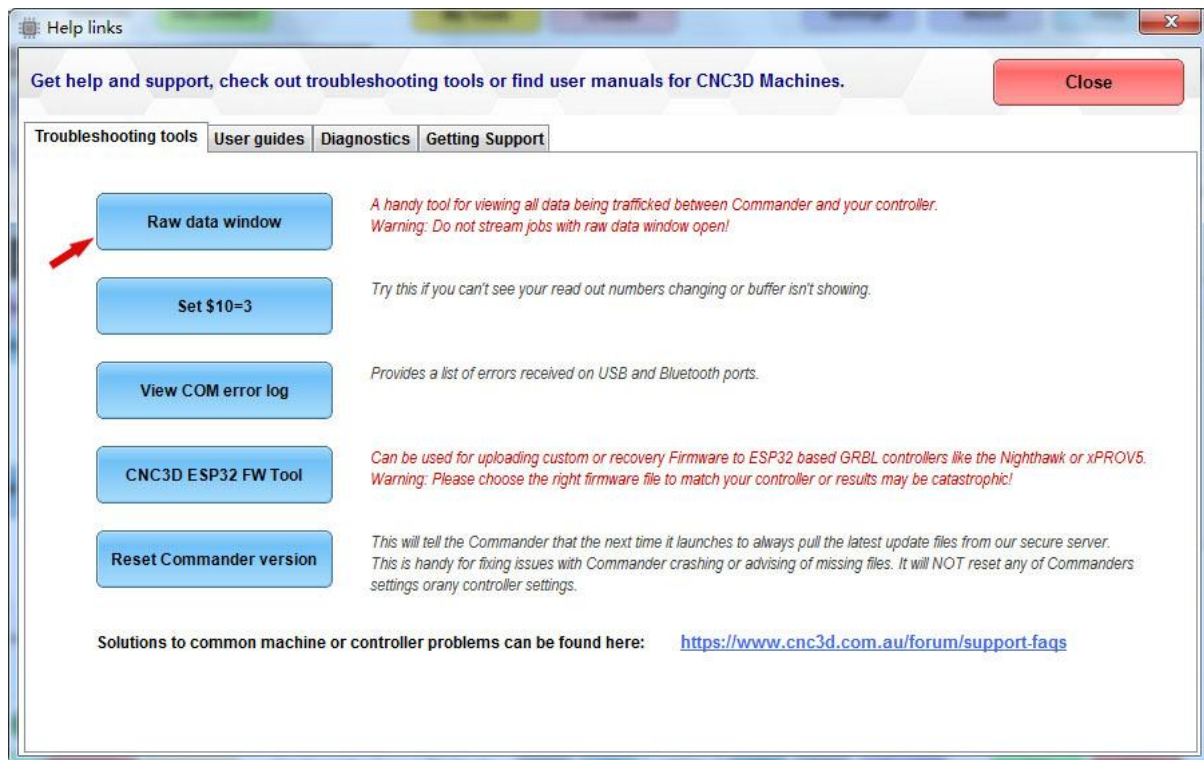


Connect control board and reflash.



How to buy.

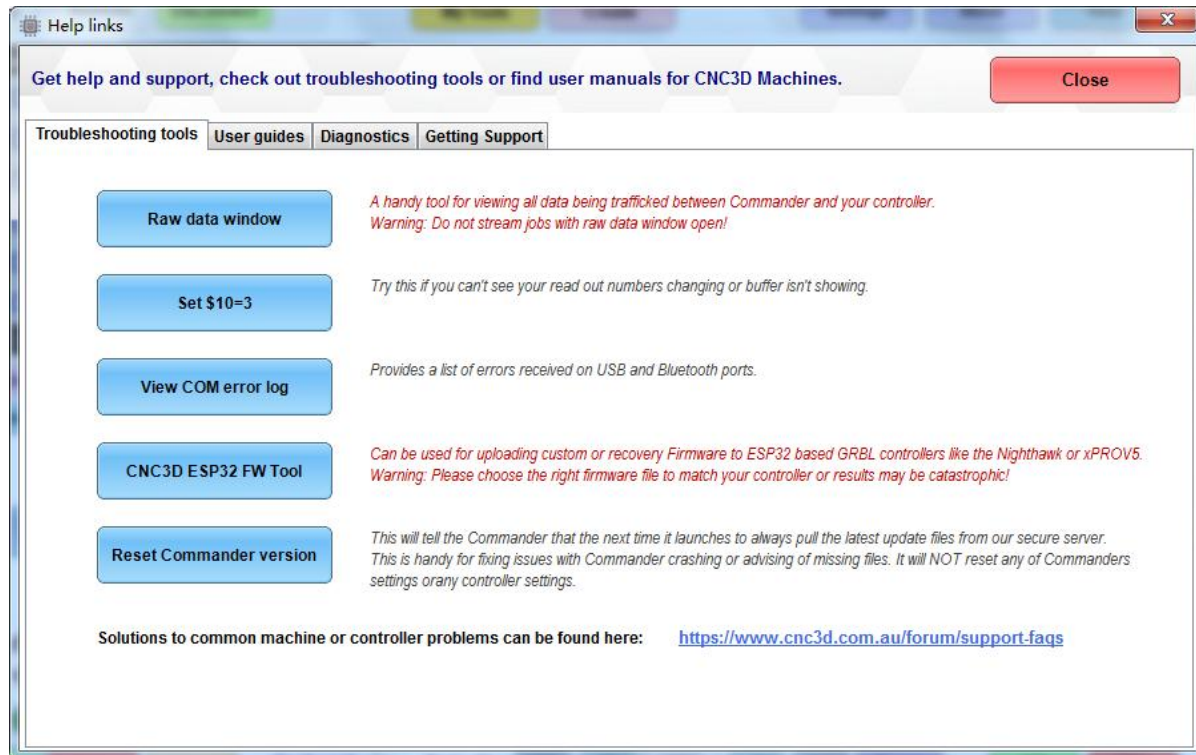
<http://www.aliexpress.com/item/info/1005008125876632.html>



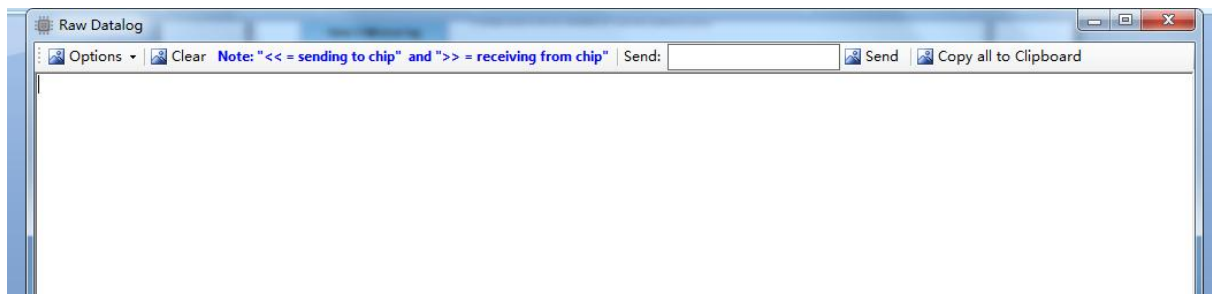
How to buy.

<http://www.aliexpress.com/item/info/1005008125876632.html>

Update and connect



Raw data window



Enter below

\$sta/ssid=wifi

\$sta/password=wifi

\$bye

```
<< $sta/ssid=haibin-kt
>> ok
<< $sta/password=hxtbc13363258373
>> ok
<< $bye
```

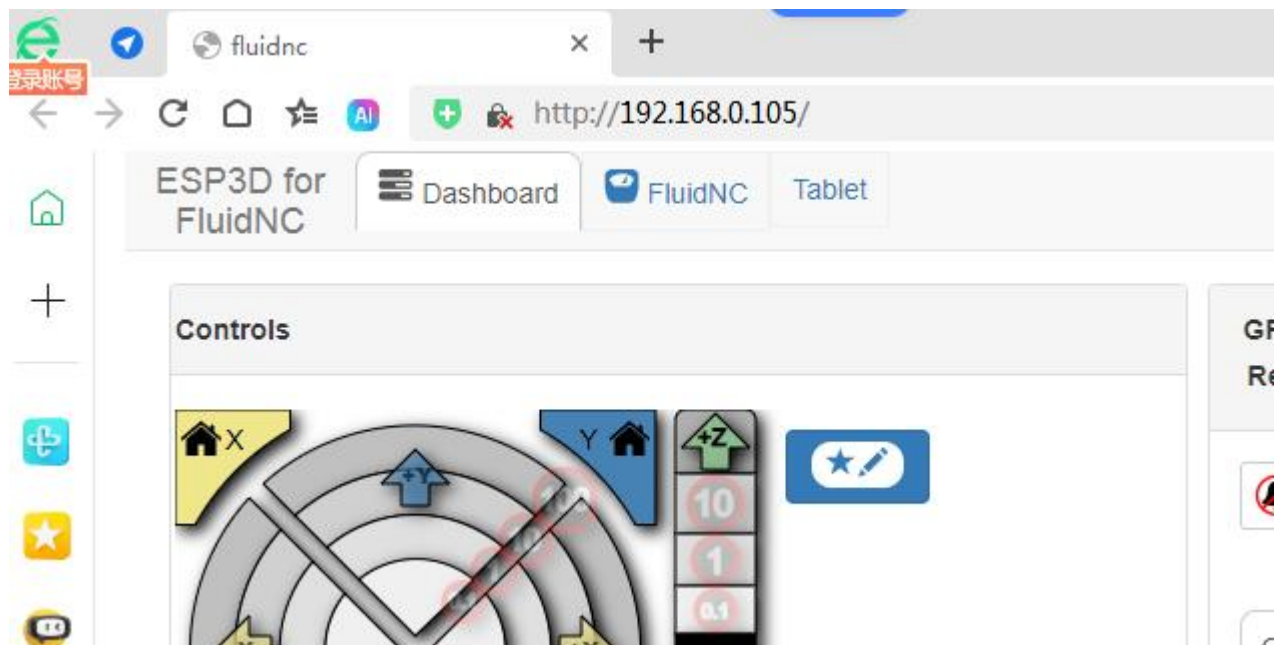

How to buy.

<http://www.aliexpress.com/item/info/1005008125876632.html>

Find wifi ip

```
>> [MSG:INFO: Connected - IP is 192.168.0.105]
>> [MSG:INFO: WiFi on]
>> [MSG:INFO: Start mDNS with hostname:http://fluidnc.local/]
>> [MSG:INFO: SSDP Started]
>> [MSG:INFO: HTTP started on port 80]
>> [MSG:INFO: Telnet started on port 23]
>> Grbl 3.0 [FluidNC v3.0.x (noGit) (wifi) '$' for help]
```

Open Browser and enter the ip.



How to buy.

<http://www.aliexpress.com/item/info/1005008125876632.html>

Fluidnc

FluidNC Settings












☒ Flash Settings ☐ Config Items

FluidNC Local Filesystem


Upload files

No file chosen

Type	Name	Size	
	config.yaml		  
	index.html.gz	116668	  

Total: 875.31 KB | Used: 120.60 KB 13%

Close



How to buy.

<http://www.aliexpress.com/item/info/1005008125876632.html>

```
board: 6 Pack↵
name: 6 Pack StepStick XYZABC↵
stepping:↵
  engine: I2S_STREAM↵
  idle_ms: 250↵
  pulse_us: 4↵
  dir_delay_us: 6↵
  disable_delay_us: 0↵
↵
axes:↵
  shared_stepper_disable_pin: NO_PIN↵
  x:↵
    steps_per_mm: 800.000 ↵
    max_rate_mm_per_min: 5000.000 ↵
    acceleration_mm_per_sec2: 100.000 ↵
    max_travel_mm: 300.000 ↵
    soft_limits: false ↵
    homing:↵
      cycle: 1 ↵
      positive_direction: false ↵
      mpos_mm: 0.000 ↵
      feed_mm_per_min: 100.000 ↵
      seek_mm_per_min: 200.000 ↵
      settle_ms: 500 ↵
      seek_scaler: 1.100 ↵
      feed_scaler: 1.100 ↵
↵
  motor0:↵
    limit_neg_pin: NO_PIN ↵
```

More refer to

<http://wiki.fluidnc.com/en/config/overview>