M0-WIFI-USB-EVK

# M0-WIFI-USB-EVK GETTINGSTARTEDGUIDE

VERSION:1.0

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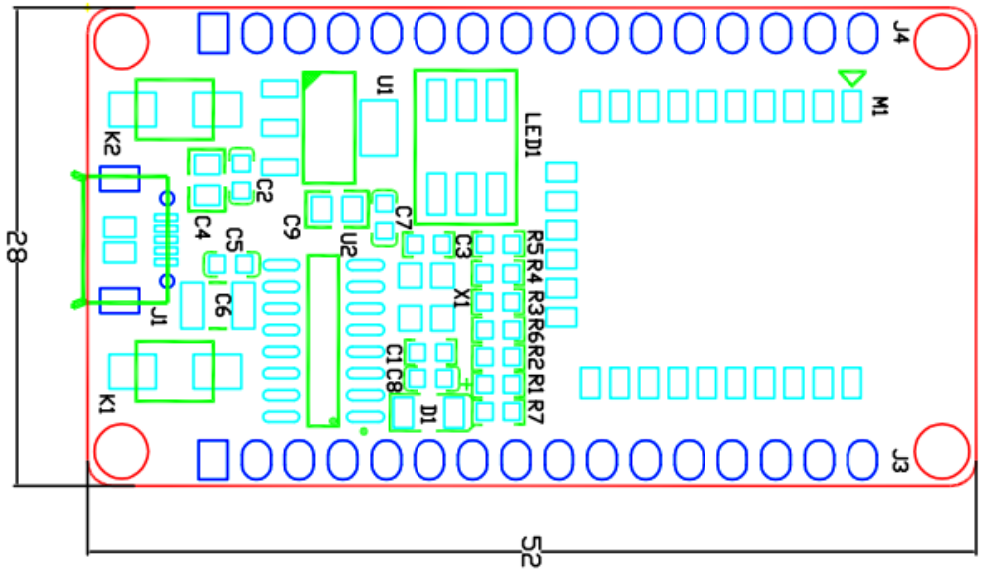
Version Information:

| Date | Version | Author | Modification Description |
|---|---|---|---|
| 2017.4.5 | V1.0 | YaoJiaHong | |

# 1.Overview

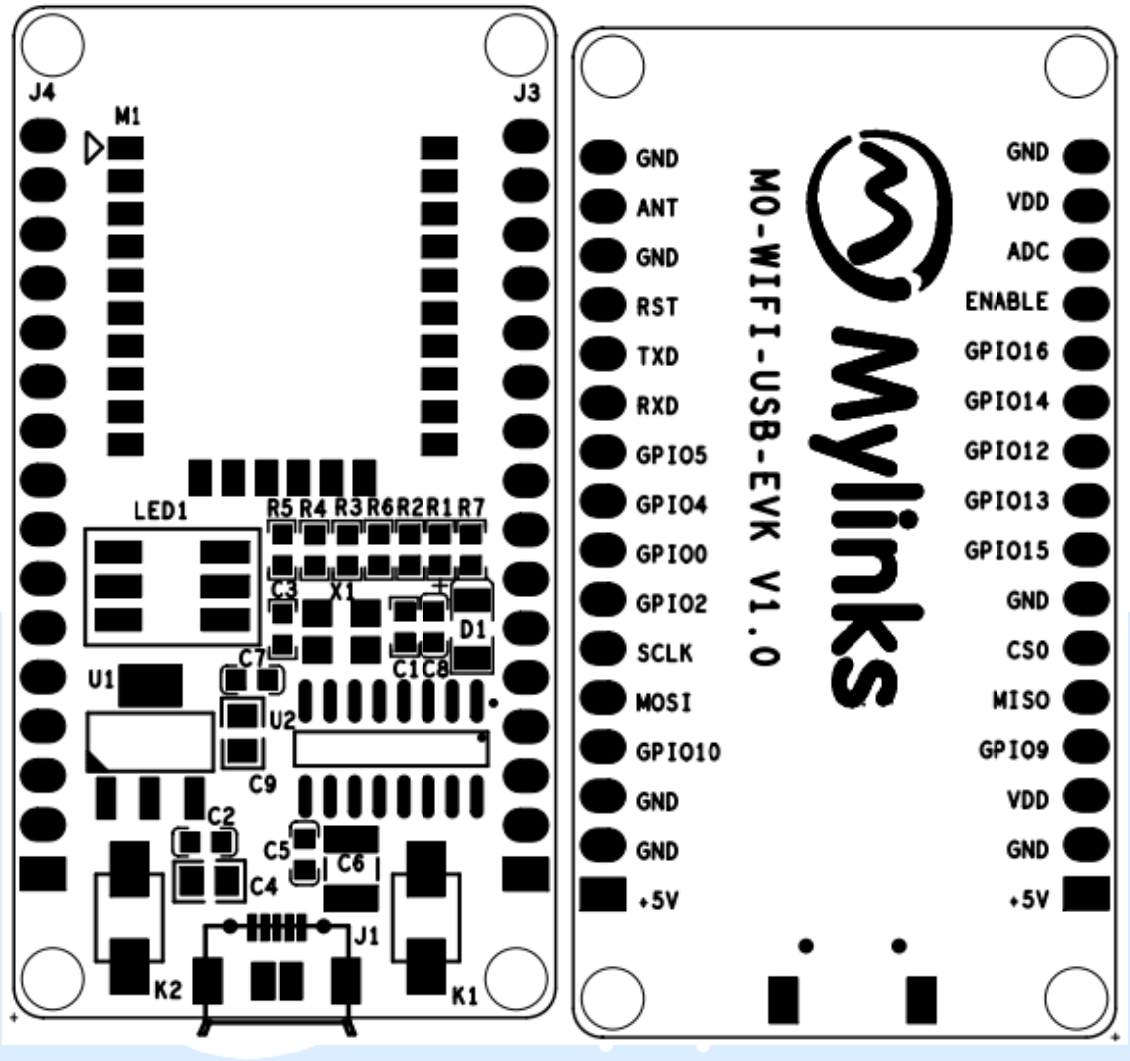
TheMO-WIFI-USB-EVK is a newly-launched development board built around MOE100PX modules. The I/Opins have been led out from the MOE100PX module for easy extension. The board carries anadvanced USB to UART bridge (CH340G), enabling developers to debug the MOE100PX through the USB interface. The development boardmakes secondary development easy and cost-effective.

The MO-WIFI-USB-EVK dimensions are shown in the figure below(Unit:mm).




# 2、PCB Layout

The layouts of the front and back sides of the MO-WIFI-USB-EVK are shown in Figures.



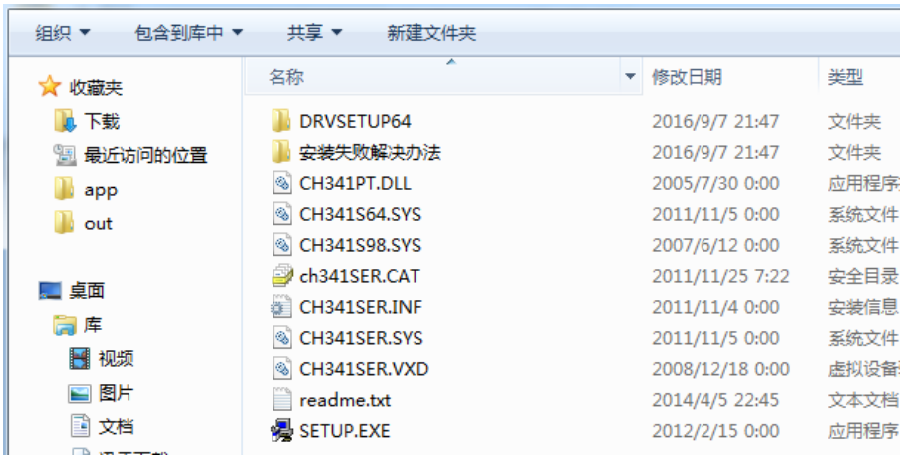

The Layout of the Front SideThe Layout of the Back Side

# 3、Basic Operation

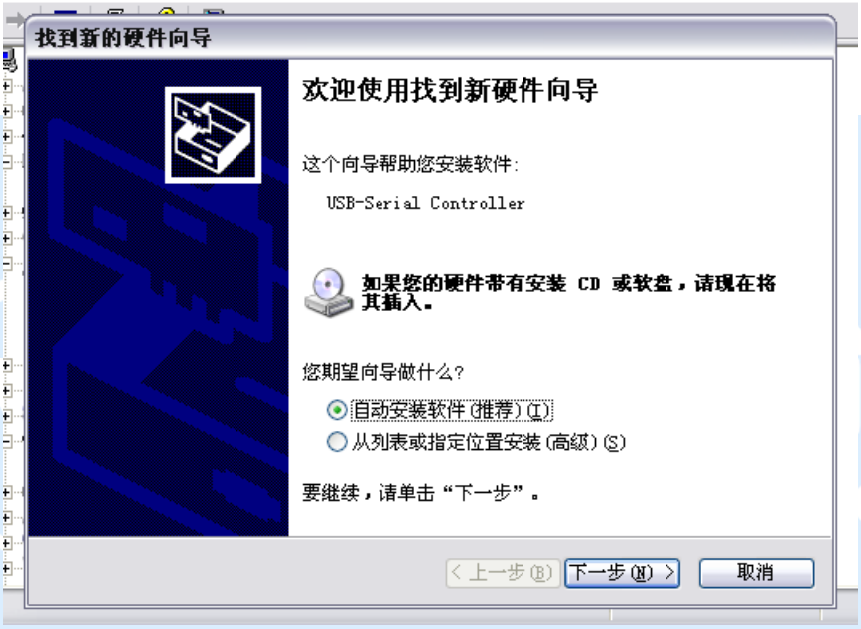
Before powering up the MO-WIFI-USB-EVK, please make sure that the board has been received in good condition with no obvious signs of damage on it.

(1) Use the USB power supply,plug the Micro USB cable into the development board.

(2) Install the CH340G driver.

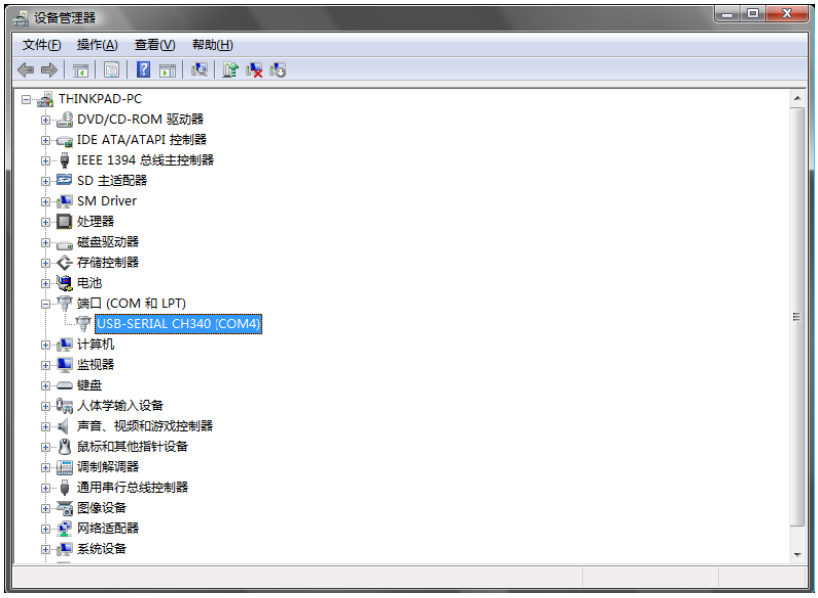



click setup.exe,

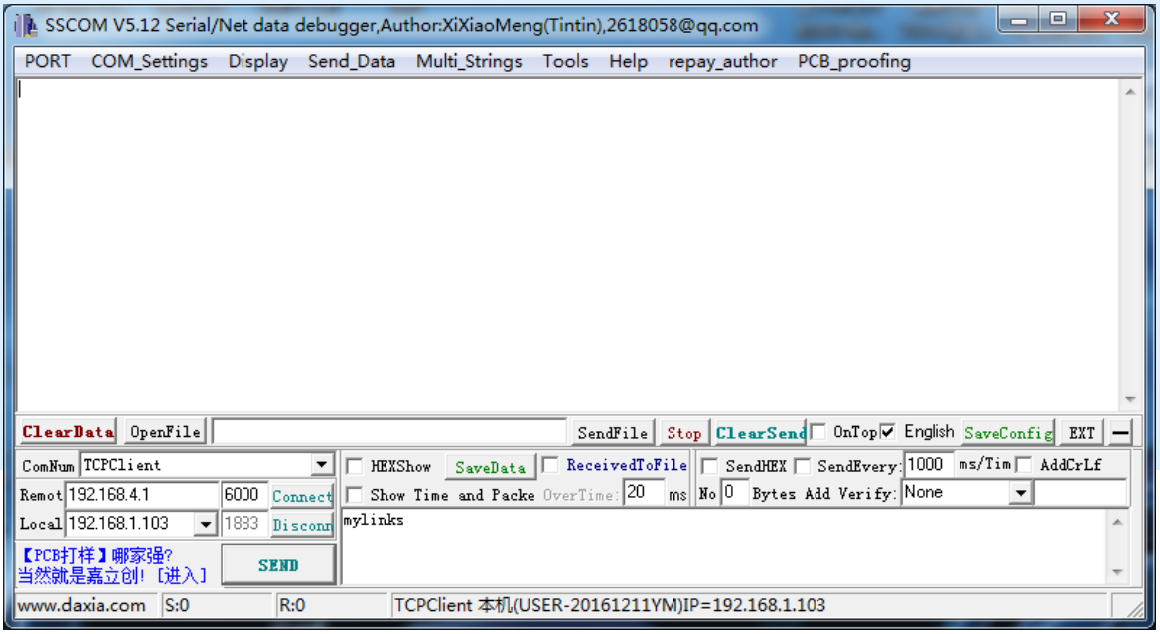



Click next,


click finish.




(3) Use sscom5.12.1.exe,you can input AT command to test MO-WIFI-USB-EVK, refer toMOE100PX_User Manualfor detail AT command.




AT+Instruction

| Instruction | Description |
|---|---|
| <null> | Null instruction |
| Manager instruction | |
| E | Turn on / offecho function |
| WMODE | Set up / query Wi-Fi mode operation |
| ENTM | Transparent mode |
| TMODE | Set / query module data transfer mode |
| MID | query module ID |
| VER | Query software version |
| LVER | Query software minor version number |

| | |
|---|---|
| FWSZ | Query Wi-Fi driver size |
| RELD | Factory Reset |
| FCLR | Wipe factory configuration settings |
| Z | Restart module |

| Instruction | Description |
|---|---|
| H | Help |
| Configuration parameter instruction | |
| CFGTF | Save user configuration parameters |
| S | Copy user configuration parameters to factory |
| UART Instruction | |
| UART | Set / query serial parameters |
| Command mode command | |
| SEND | Send data in command mode |
| RECV | Receive data in command mode |
| Network protocol directive | |
| PING | Network "Ping" instruction |
| NETP | Set / query network protocol parameters |
| MAXSK | Set limit TCP Client access number |
| TCPLK | Check whether the TCP link has been built |
| TCPTO | Set / query TCP timeout |
| TCPDIS | Create / disconnect TCP links |
| SOCKB | Set / query SOCKB network protocol parameters |
| TCPDISB | Create / disconnect SOCKB links |
| TCPTOB | Set / query SOCKB timeout |
| TCPLKB | Check whether the SOCKB link has been built |
| SNDB | Send data to SOCKB in command mode |
| RCVB | Receiving data from SOCKB in command mode |
| Wi-Fi STA Instruction | |
| WSKEY | Set / query STA encryption parameters |
| WSSSID | Set / query associated AP SSID |
| WANN | Set / query STA network parameters |
| WSMAC | Set / query STA's MAC address parameters |
| WSLK | Query STA wireless Link status |
| WSLQ | Query AP wireless signal strength |
| WSCAN | Search AP |
| WSDNS | Set / query STA mode static configuration DNS server |
| WJAP | Set the associated AP SSID and password |
| Wi-Fi AP Instruction | |
| LANN | Set / query AP network parameters |
| WAP | Set / query AP Wi-Fi configuration parameters |
| WAKEY | Set / query AP encryption parameters |
| WAMAC | Query AP MAC address parameters |
| WADHCP | Set / query AP DHCP Server status |
| WebInstruction | |
| WEBU | Set / query page login username and password |

We are responsible for additional testing to verify compliance as a composite system. When testing the host device for compliance with Part 15 Subpart B, we have verify that our product compliance with Part 15 Subpart B while the transmitter module(s) are installed and operating. The modules should be transmitting and the evaluation should confirm that the module's intentional emissions are compliant (i.e. fundamental and out of band emissions). We have verify that there are no additional unintentional emissions other than what is permitted in Part 15 Subpart B or emissions are complaint with the transmitter(s) rule(s).