

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	

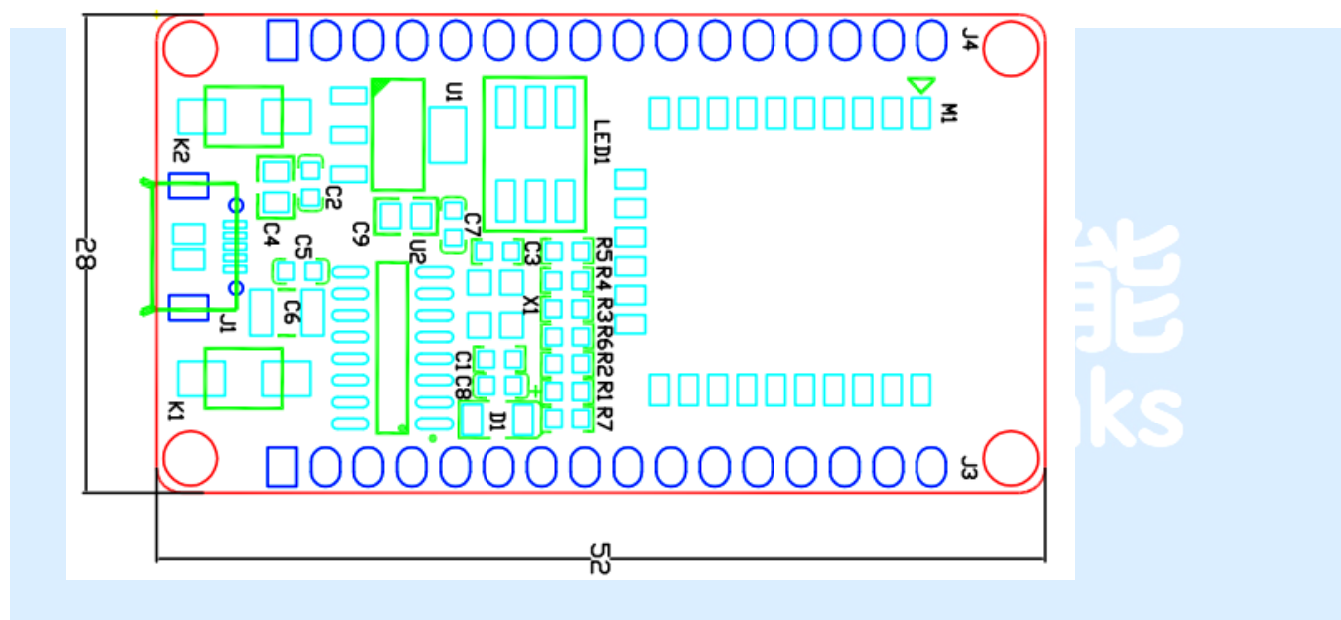


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1.Overview

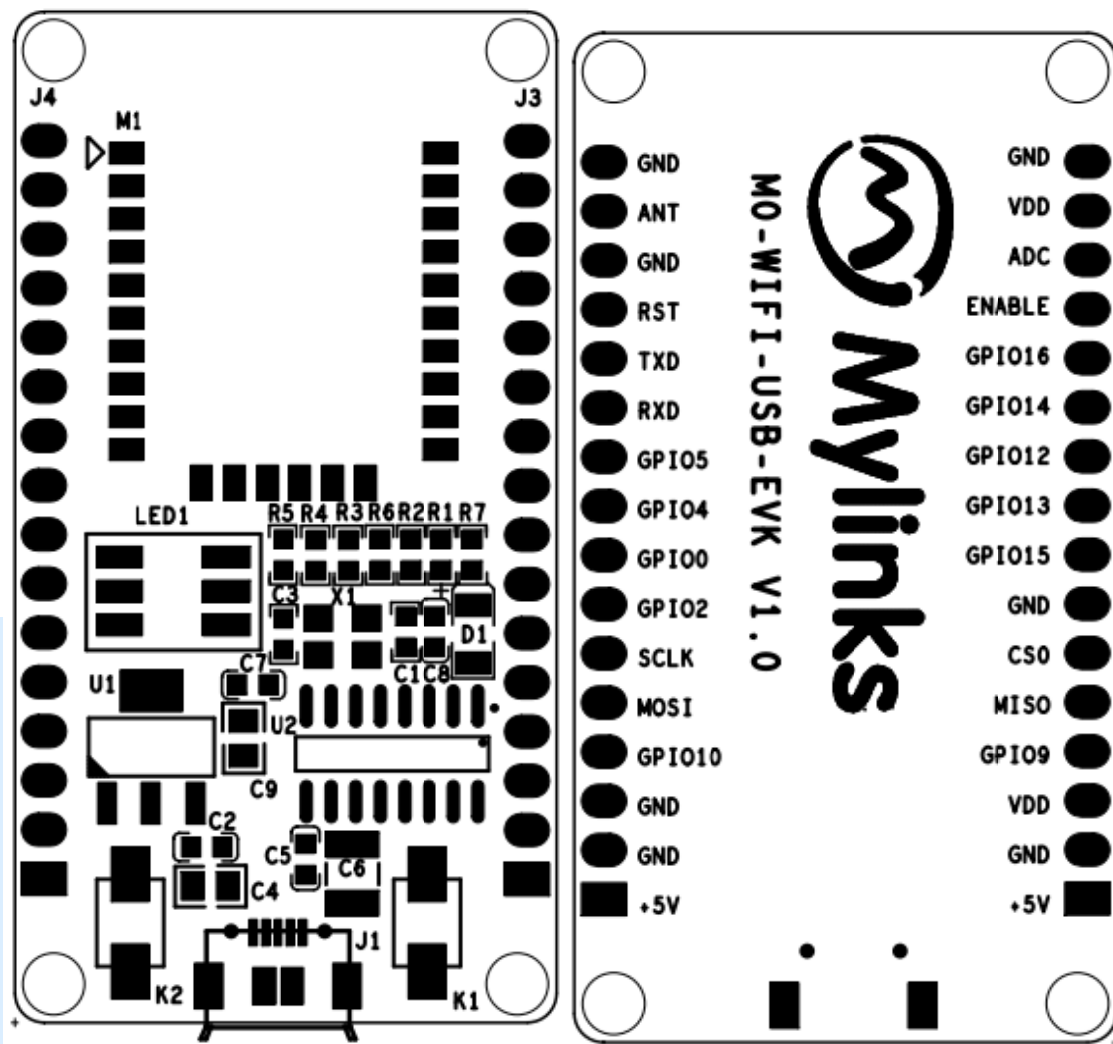
TheM0-WIFI-USB-EVK is a newly-launched development board built around M0E100PX modules.The I/Opins have been led out from the M0E100PX module for easy extension. The board carries anadvanced USB to UART bridge (CH340G), enabling developers to debug the M0E100PX through the USB interface. The development boardmakes secondary development easy and cost-effective.

The M0-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 M0-WIFI-USB-EVK are shown in Figures.



The Layout of the Front SideThe Layout of the Back Side

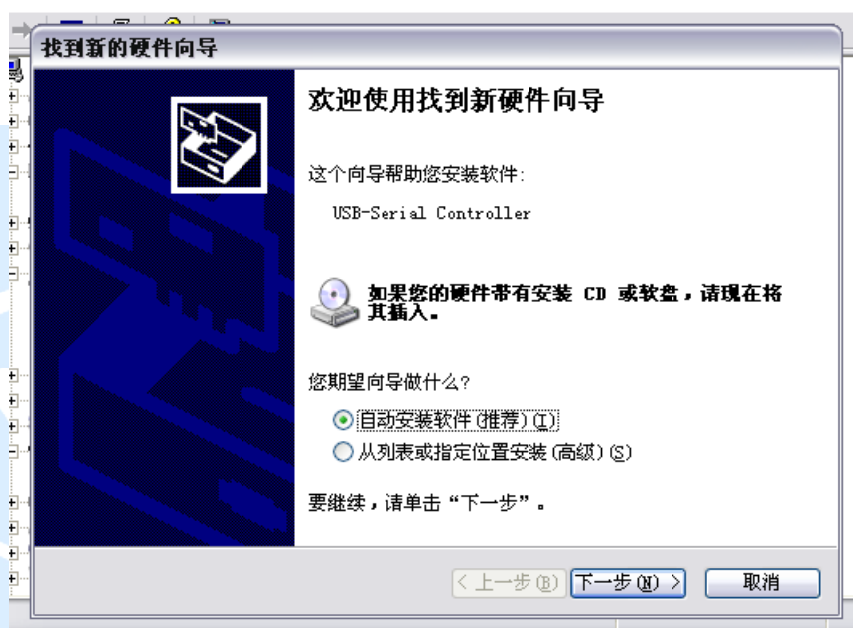
3、 Basic Operation

Before powering up the M0-WIFI-USB-EVK, please make sure that the board has been received in good condition with no obvious signs of damage on it.

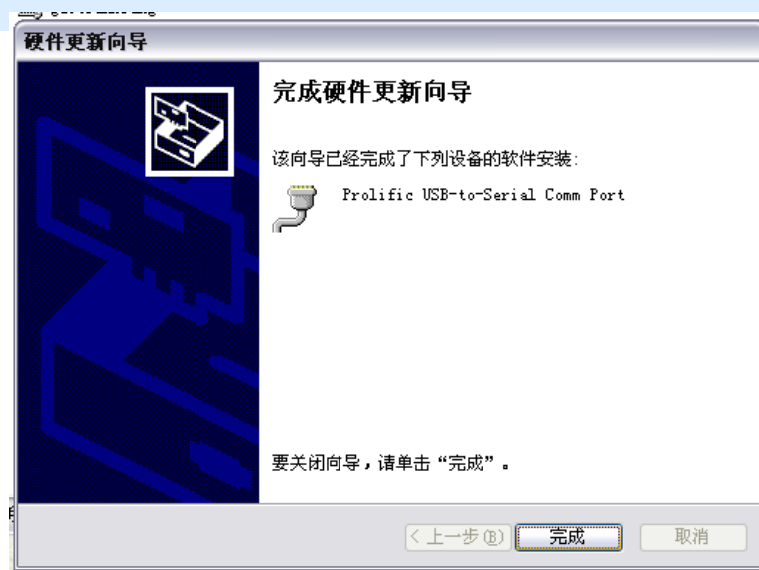
- (1) Use the USB power supply, plug the Micro USB cable into the development board.
- (2) Install the CH340G driver.

组织	包含到库中	共享	新建文件夹
名称	修改日期	类型	
收藏夹			
下载			
最近访问的位置			
app			
out			
桌面			
库			
视频			
图片			
文档			
名称	修改日期	类型	
DRVSETUP64	2016/9/7 21:47	文件夹	
安装失败解决办法	2016/9/7 21:47	文件夹	
CH341PT.DLL	2005/7/30 0:00	应用程序	
CH341S64.SYS	2011/11/5 0:00	系统文件	
CH341S98.SYS	2007/6/12 0:00	系统文件	
ch341SER.CAT	2011/11/25 7:22	安全目录	
CH341SER.INF	2011/11/4 0:00	安装信息	
CH341SER.SYS	2011/11/5 0:00	系统文件	
CH341SER.VXD	2008/12/18 0:00	虚拟设备	
readme.txt	2014/4/5 22:45	文本文档	
SETUP.EXE	2012/2/15 0:00	应用程序	

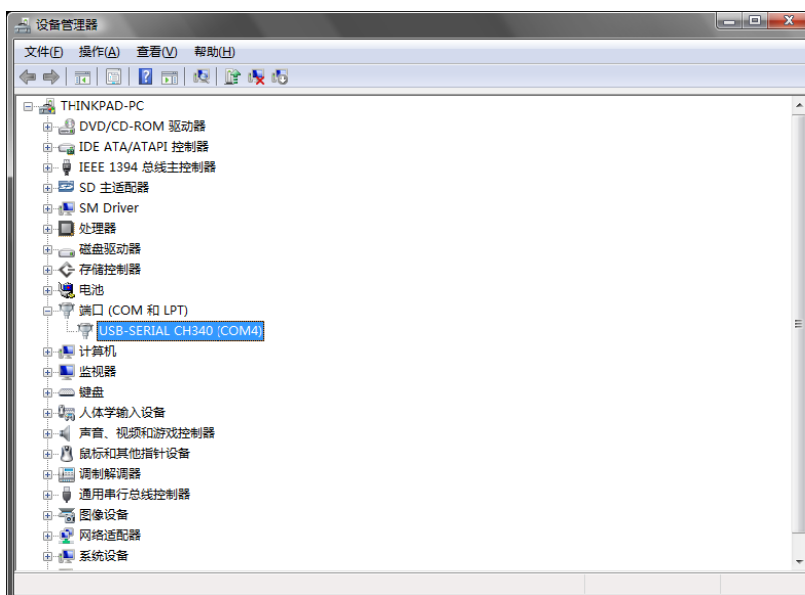
click setup.exe,



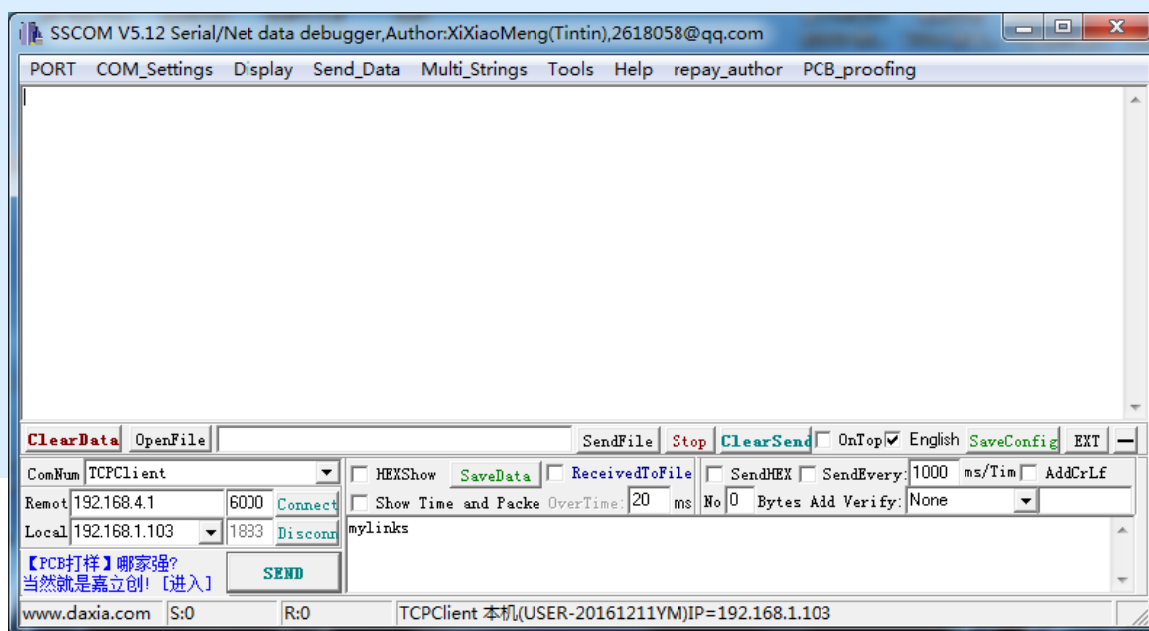
Click next,



click finish.



(3) Use sscom5.12.1.exe, you can input AT command to test M0-WIFI-USB-EVK, refer to M0E100PX_User Manual for detail AT command.



AT+Instruction

Instruction	Description
<null>	Null instruction
Manager instruction	
E	Turn on / off echo 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	
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
TCPIOB	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
WSSID	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).