

Moxa NPort 简易安装测试向导—Real COM Mode.

第一部分：安装

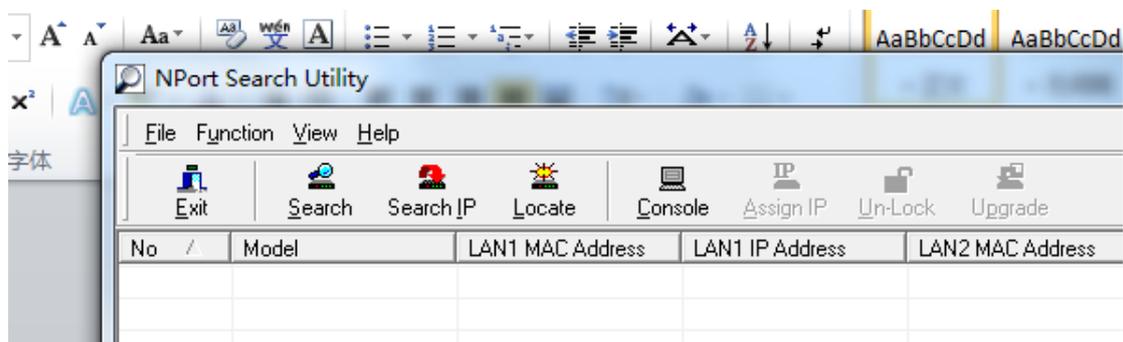
- 1、将 NPort 连接到局域网，并打开电源；
- 2、从光盘上安装 NPort 5000 Series 管理工具——NPort Search Utility.

如没有，请到以下网址下载：

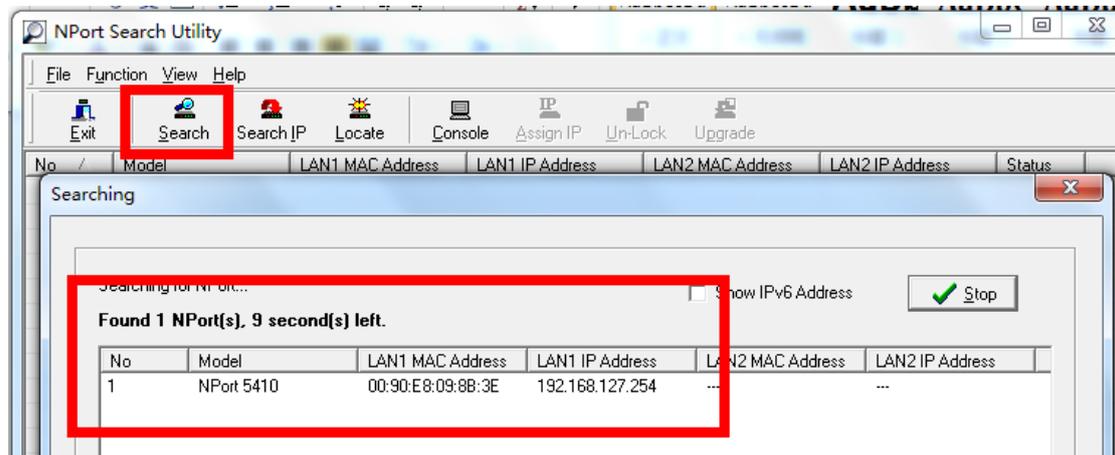
http://www.moxa.com/drivers/DN_Search_Utility/nploc_setup_Ver1.13_Build_12021410.zip



- 3、安装完成后，打开 NPort Search Utility；



- 4、点“search”或从指定 IP “search ip”来搜索 NPort；



注意：在配置 NPort 时，请将主机 IP 与 NPort IP 在同一网段中；

NPort 默认 IP: 192.168.127.254；

- 5、选择相对应的 NPort 双击。
- 6、进入 web 配置界面，在“Basic”下对产品名称、日期等进行基本设置；

Basic Setting

Server name: MP5410_36

Time

Time zone: (GMT)Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London

Local time: 2000 / 1 / 1 0 : 1 : 20

Time server: [Empty field]

Settings

Web console: Enable Disable

Telnet console: Enable Disable

LCM password protect: No Yes

Reset button protect: No Yes

Submit

注意：在设置完各项后请单击“submit”提交设置。

7、在“Network”下对 IP 地址及其他的网络设置进行设置，

Network Settings

IP address: 192.168.127.254

Netmask: 255.255.255.0

Gateway: [Empty field]

IP configuration: Static

DNS server 1: [Empty field]

DNS server 2: [Empty field]

SNMP Setting

SNMP: Enable Disable

Community name: public

Contact: [Empty field]

Location: [Empty field]

IP Address report

Auto report to IP: [Empty field]

Auto report to UDP port: 4002

Auto report period: 10 seconds

Submit

8、在“Serial”下可对各个端口进行基本设置，如波特率、数据位、校验位、停止位，流控方式(如果您没有使用流控，请将 Flow control 选为 none)

Serial Settings

Port alias: [Empty field]

Serial Parameters

Baud rate: 115200

Data bits: 8

Stop bits: 1

Parity: None

Flow control: RTS/CTS

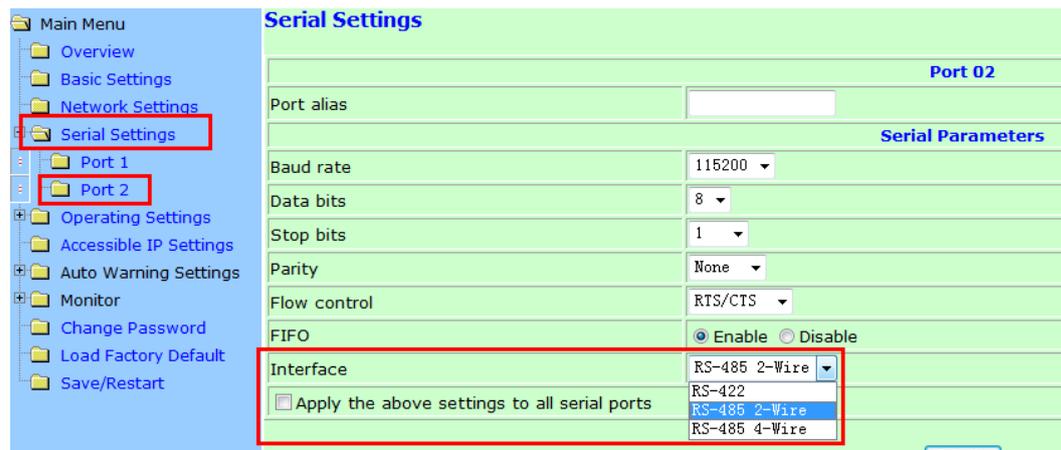
FIFO: Enable Disable

Interface: RS-232 Only

Apply the above settings to all serial ports

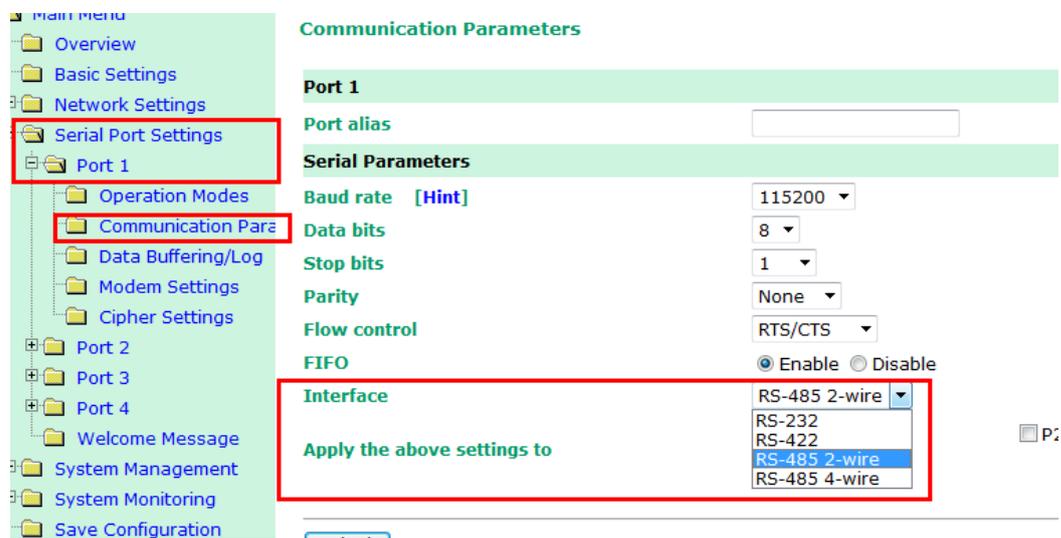
Submit

可以在以下位置更改接口界面,选择232或者422或者2w-485或者4w-485



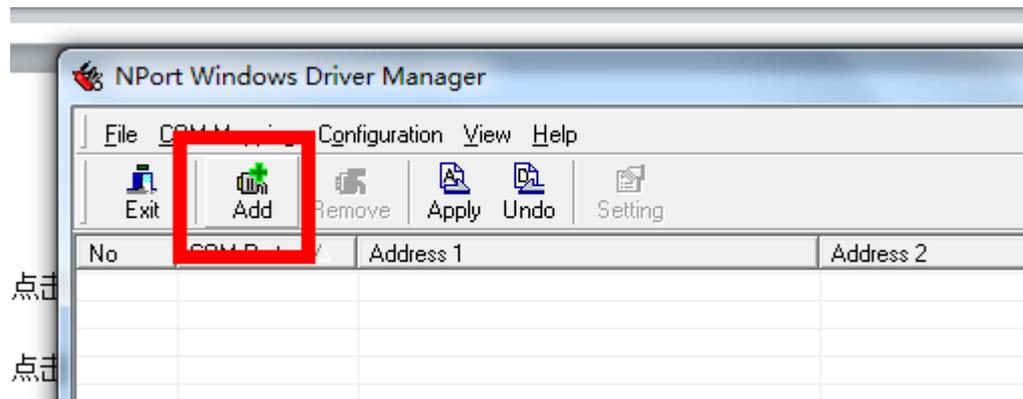
The screenshot shows the 'Serial Settings' configuration page for 'Port 02'. The left sidebar contains a tree view with 'Serial Settings' and 'Port 2' highlighted in red. The main content area is titled 'Serial Settings' and includes a 'Port alias' field. Below this is the 'Serial Parameters' section, which contains several settings: Baud rate (115200), Data bits (8), Stop bits (1), Parity (None), Flow control (RTS/CTS), and FIFO (Enable selected). The 'Interface' dropdown menu is highlighted in red and shows options: RS-485 2-Wire, RS-422, RS-485 2-Wire, and RS-485 4-Wire. There is also a checkbox for 'Apply the above settings to all serial ports'.

或者

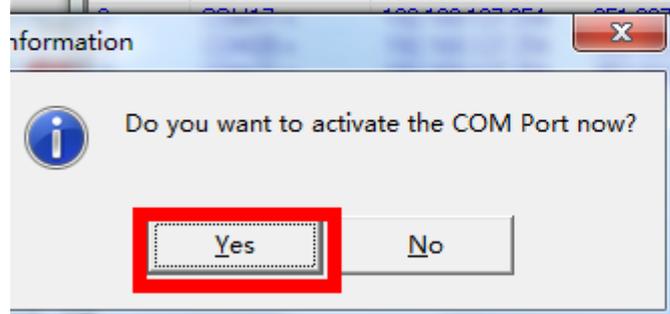
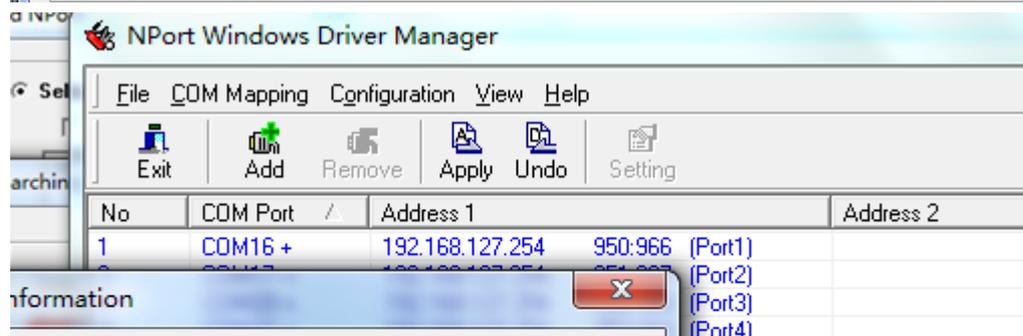
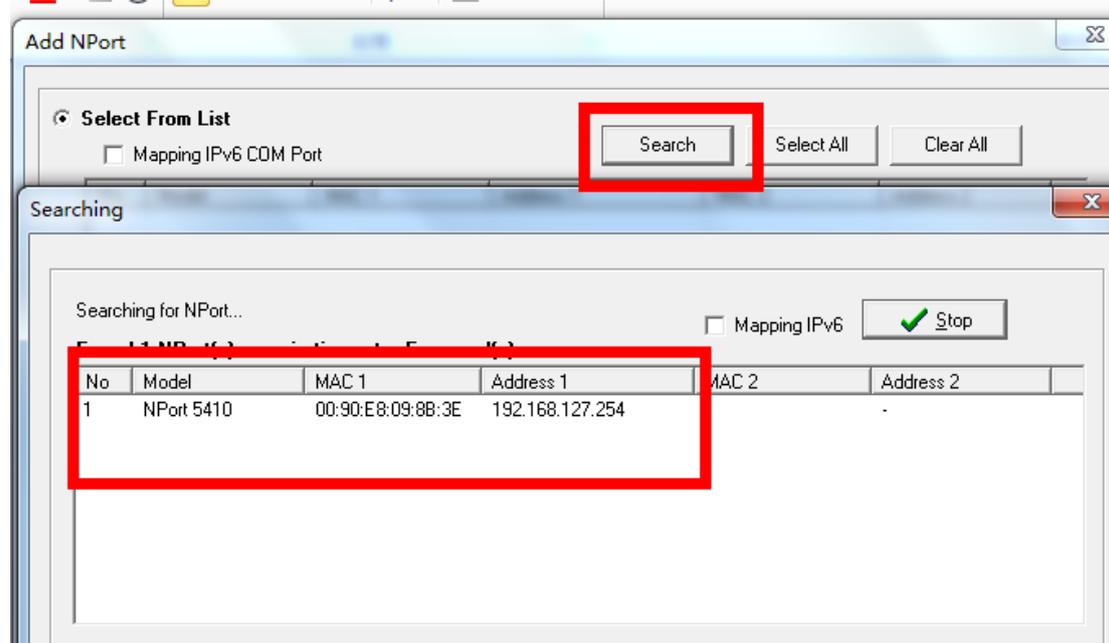


The screenshot shows the 'Communication Parameters' configuration page for 'Port 1'. The left sidebar contains a tree view with 'Serial Port Settings' and 'Communication Para' highlighted in red. The main content area is titled 'Communication Parameters' and includes a 'Port alias' field. Below this is the 'Serial Parameters' section, which contains several settings: Baud rate [Hint] (115200), Data bits (8), Stop bits (1), Parity (None), Flow control (RTS/CTS), and FIFO (Enable selected). The 'Interface' dropdown menu is highlighted in red and shows options: RS-485 2-wire, RS-232, RS-422, RS-485 2-wire, and RS-485 4-wire. There is also a checkbox for 'Apply the above settings to'.

11、点击“Add”将对应的Nport 的端口映射到主机上，并设定端口号

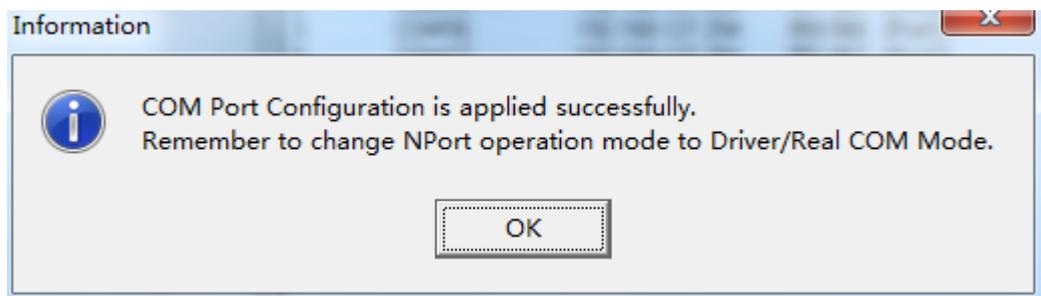


点击
点击



点击

12、映射完成



第二部分：测试

1、使用环测线连接需要测试的端口，环测线做法如图所示。
将以下要打开的 2 个 COM 口环测，如果只使用一个 COM 口，打开一个既可。

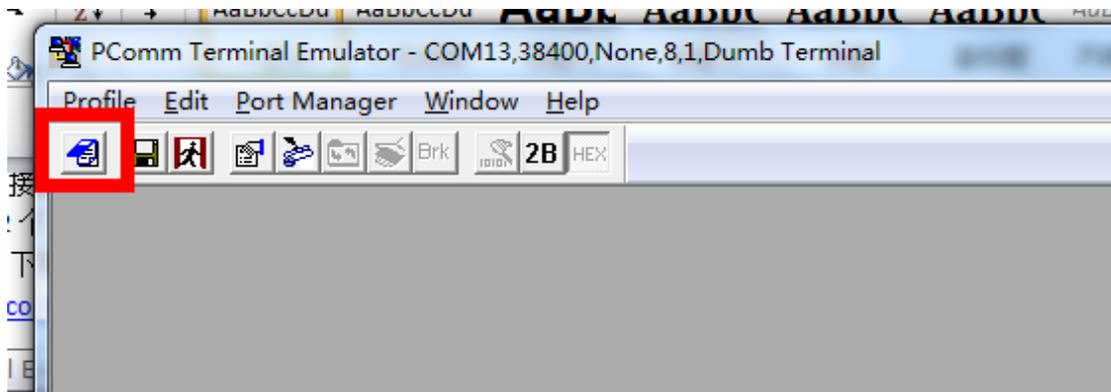
2、安装 Pcomm，下载地址

http://www.moxa.com/drivers/pcommlite/win2k/setup_pcommlite_1.6_12041917.zip

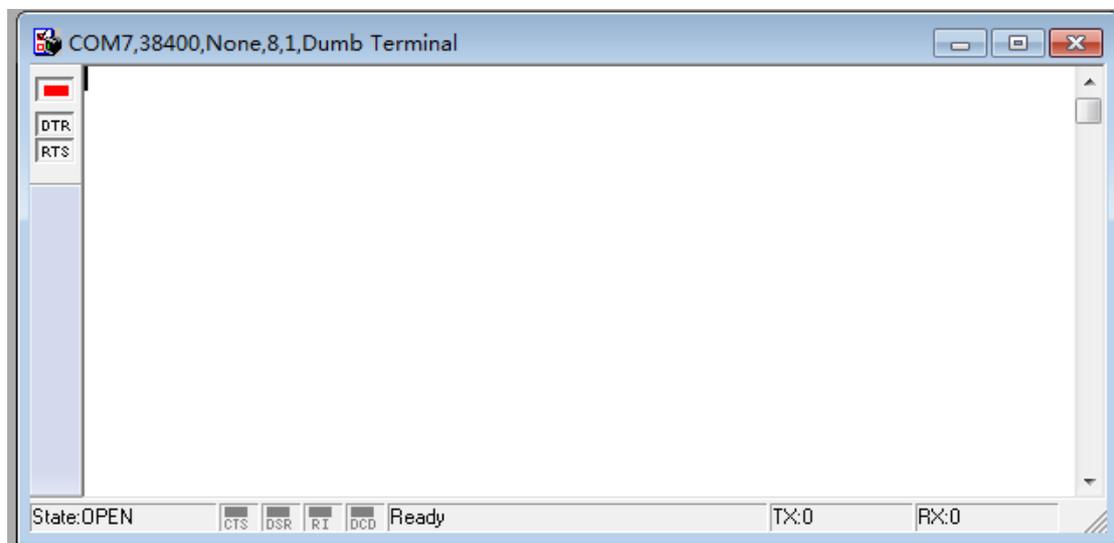
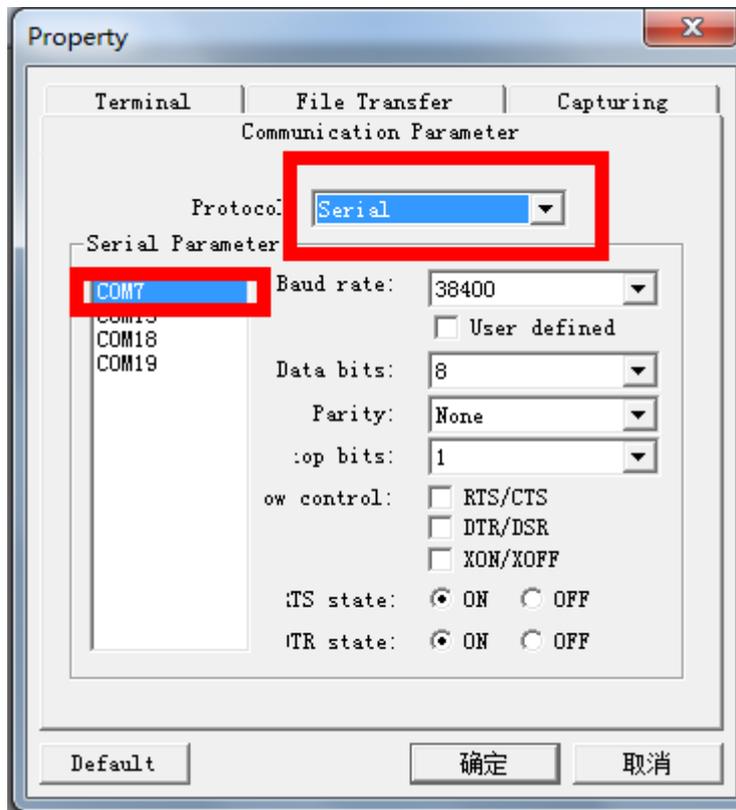


3、安装完成之后，打开 PComm Terminal Emulator。

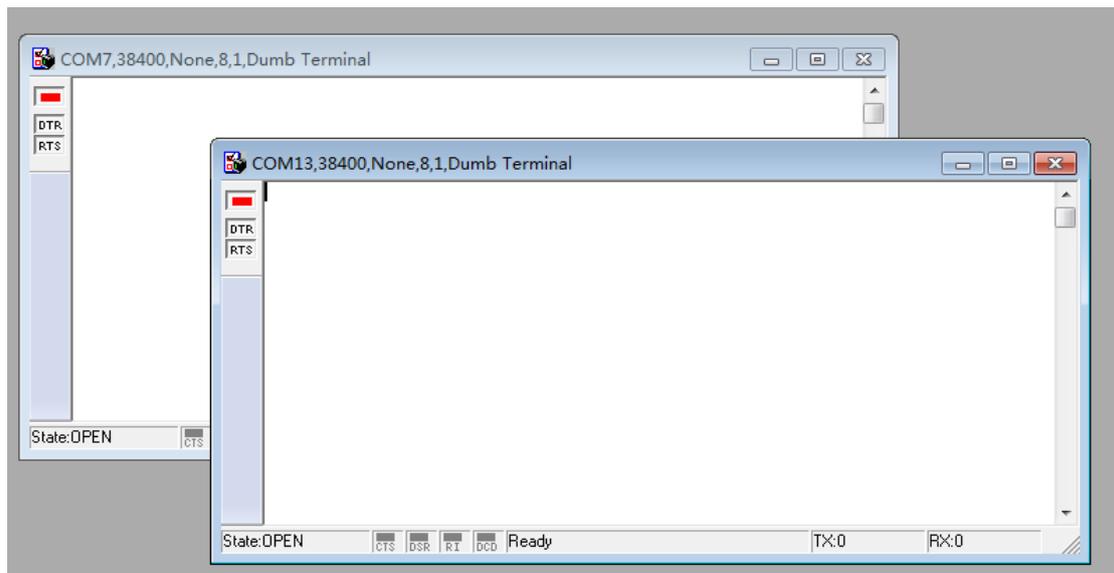
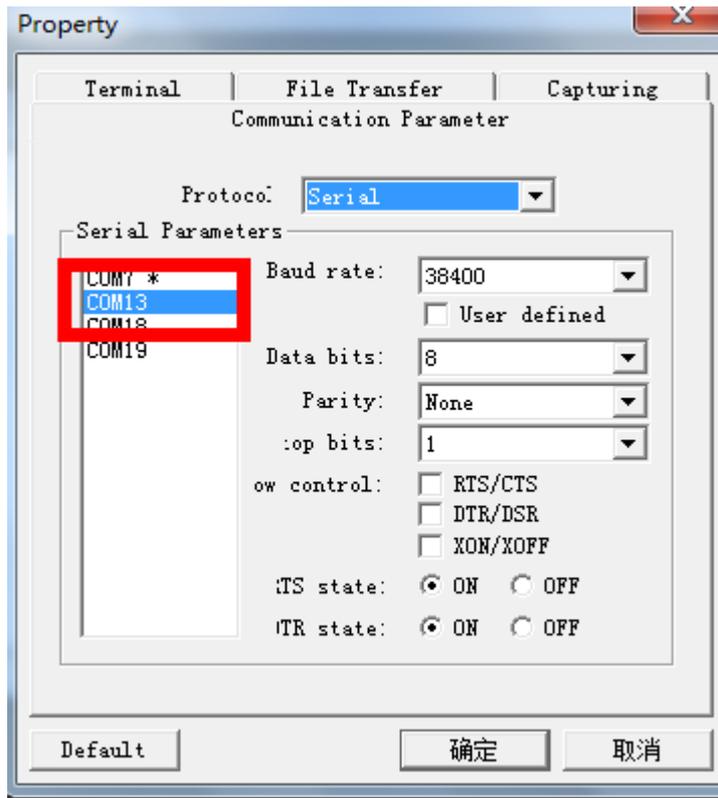
然后点击左上角的



再选择“Serial”，比如选择 COM7(您手中的比如 USB 转串口之类设备的串口)，配置串口参数，然后点击确定



4. 同样在操作一次，打开 COM13.



5, 在其中任何一个窗口键盘输入任意字符, 在两个窗口都正常显示出来, 那么, 测试成功。
注意: 在测试完成以后, 直接中止命令即可。

附环测接线示意图:

RS-232 (两个串口之间做回环)	RS-422 (两个串口之间做回环)	2线 RS-485 (两个串口之间做回环)	4线 RS-485 (两个串口之间做回环)
TxD ———— TxD RxD ———— RxD RTS ———— RTS CTS ———— CTS DSR ———— DSR DTR ———— DTR GND ———— GND DCD ———— DCD	TxD+(B) ———— RxD+(B) TxD-(A) ———— RxD-(A) RxD+(B) ———— TxD+(B) RxD-(A) ———— TxD-(A) GND ———— GND	Data+(B) ———— Data+(B) Data-(A) ———— Data-(A) GND ———— GND	TxD+(B) ———— RxD+(B) TxD-(A) ———— RxD-(A) RxD+(B) ———— TxD+(B) RxD-(A) ———— TxD-(A) GND ———— GND

DB9 Male RS-422/485 Port Pinouts for NPort 5150

Pin	RS-232	RS-422/4-wire RS-485	2-wire RS-485
1	DCD	TxD-(A)	---
2	RxD	TxD+(B)	---
3	TxD	RxD+(B)	Data+(B)
4	DTR	RxD-(A)	Data-(A)
5	GND	GND	GND
6	DSR	---	---
7	RTS	---	---
8	CTS	---	---

