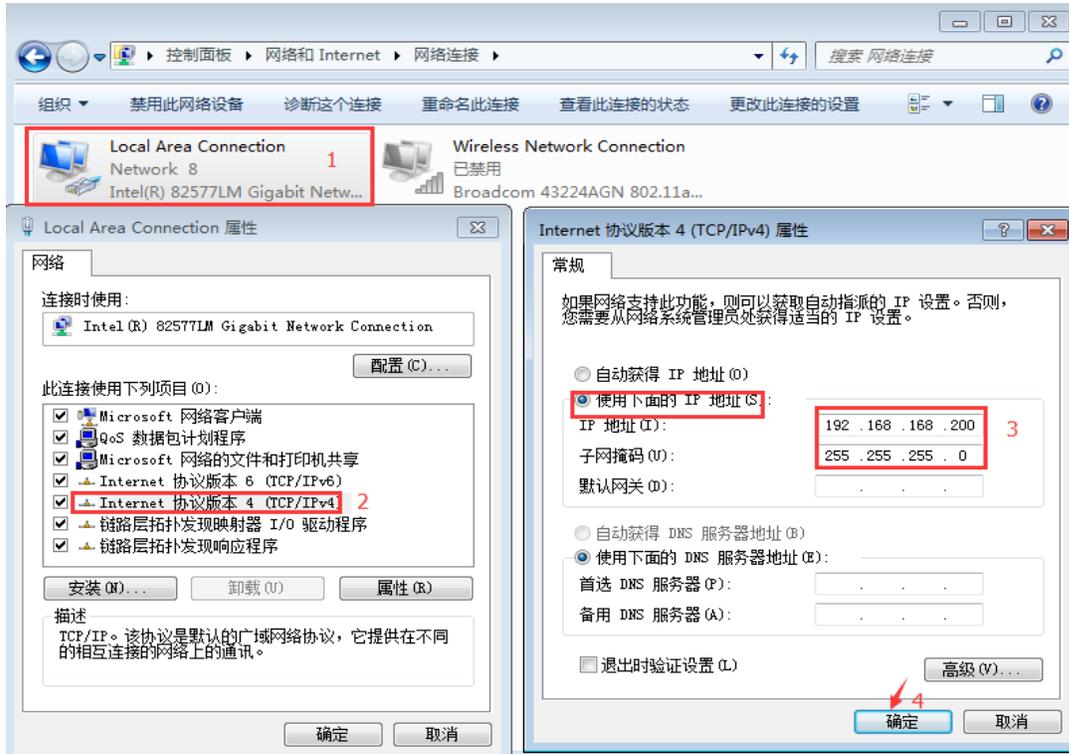


Pddl2450 快速配置手册

配置计算机的 IP 地址为：192.168.168.200



模块连接天线（默认都是小天线，防止模块之间距离近把模块烧坏）



开发板 ETH0 连接网线到计算机上

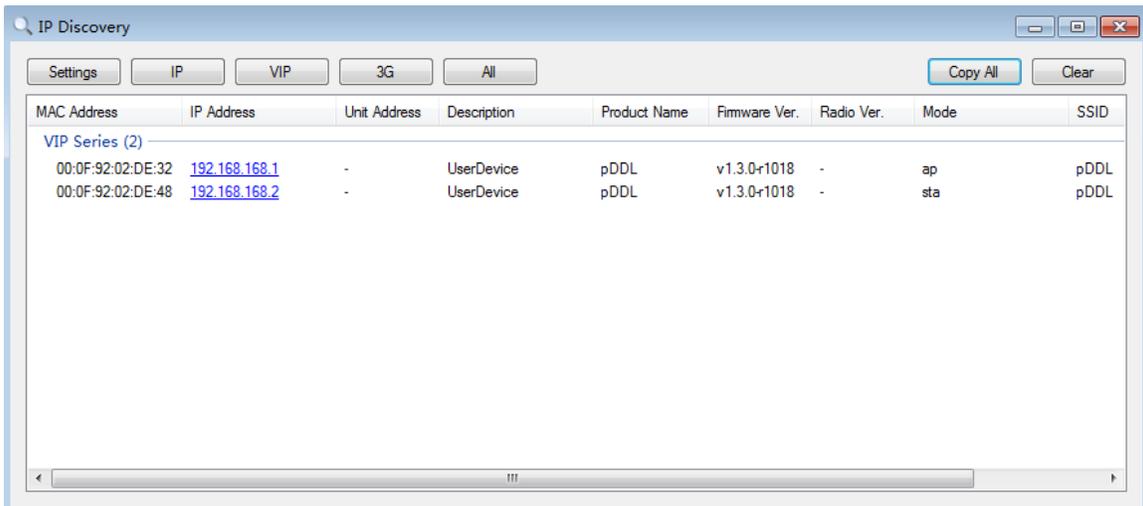


连接 Microhard 专用电源，直到 CPU 蓝色指示灯处于稳定状态



用 IP Discovery 查看 pDDL 的 IP 地址，此步骤可以省略，除非不确定 pDDL 的 IP 地址。

此工具需要点击“VIP”



在浏览器内容输入 192.168.168.1,缺省的用户名是“admin”密码是“admin”，



进入系统后提示修改密码，此模修改后的密码是“12345”

Account Name	admin
Change Password ⓘ	<input type="text"/> (5-64 characters,no space)
Confirm Password	<input type="text"/> Change Password 

配置的 IP 地址为 192.168.168.1 ， 对应的 MAC 地址为 “00:0F:92:03:DE:32” 就是 PDDL2450 的 MAC 地址

Network Status

LAN Port Status

General Status

IP Address	Connection Type	Subnet Mask	MAC Address
192.168.168.1	static	255.255.255.0	00:0F:92:02:DE:32

Traffic Status

Receive bytes	Receive packets	Transmit bytes	Transmit packets
560.739KB	8130	433.404KB	2102

WAN Port Status

General Status

IP Address	Connection Type	Subnet Mask	MAC Address
N/A	dhcp	N/A	00:0F:92:03:DE:32

Traffic Status

Receive bytes	Receive packets	Transmit bytes	Transmit packets
21.461KB	114	4.342KB	13

Default Gateway

Gateway	192.168.168.1
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DNS

DNS Server(s)	None
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IPv4 Routing Table

Destination	Gateway	Subnet Mask	Flags	Metric	Ref	Use	Interface
0.0.0.0	192.168.168.1	0.0.0.0	UG	0	0	0	(br-lan)
192.168.168.0	0.0.0.0	255.255.255.0	U	0	0	0	(br-lan)

修改成功后，会提示用新密码登录，再次进入系统，查看射频参数，默认的是 20dbm,如果要传更远距离，请修改为 30dbm

Wireless Configuration

RF Configuration

Radio	<input checked="" type="radio"/> On <input type="radio"/> Off
Compatibility Mode	pDDL ▾
Channel Bandwidth	8MHz ▾
Channel-Frequency	76 - 2477 MHz ▾
Tx Power	30 dbm ▾
Wireless Distance	3000 (m)
Rx Diversity(Reboot Required)	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Operation Mode	Master ▾
TX Rate	Auto (recommended) ▾
Extended Addressing	<input checked="" type="radio"/> On <input type="radio"/> Off
Network ID	pDDL
Encryption Type	AES-128 ▾
Encryption Key	*****
Show password	<input type="checkbox"/>

RF Comport Configuration

Comport1 TX Rate	Normal Rate ▾
Comport2 TX Rate	<input checked="" type="radio"/> Data Mode Disabled

配置第二个模块

连接天线（默认都是小天线，防止距离近把模块烧坏）

连接网线

连接电源，等 CPU 稳定后按下 reset 恢复按钮 5 秒松开，模块会重启，模块的 LED 灯会全部关闭，然后再有规律的闪动，直到出现蓝色指示灯常亮，进入 slave 模式



待 CPU 指示灯稳定后，用 ip discovery 查看该模块 IP 地址，如果是 slave 模式，IP 地址会变成 192.168.168.2

MAC Address	IP Address	Unit Address	Description	Product Name	Firmware Ver.	Radio Ver.	Mode	SSID
VIP Series (2)								
00:0F:92:02:DE:32	192.168.168.1	-	UserDevice	pDDL	v1.3.0+1018	-	ap	pDDL
00:0F:92:02:DE:48	192.168.168.2	-	UserDevice	pDDL	v1.3.0+1018	-	sta	pDDL

同样在 web 浏览器内输入 192.168.168.2 修改模块发生功率，判断是否为 slave 模式

System	Network	Wireless	Firewall	Serial	Diag	Admin
Status	RF					
Wireless Configuration						
RF Configuration						
Radio	<input checked="" type="radio"/> On <input type="radio"/> Off					
Compatibility Mode	pDDL ▾					
Channel Bandwidth	8MHz ▾					
Channel-Frequency	76 - 2477 MHz ▾					
Tx Power	30 dbm ▾					
Wireless Distance	3000					(m)
Rx Diversity(Reboot Required)	<input checked="" type="radio"/> Disable <input type="radio"/> Enable					
Operation Mode	Slave ▾					
TX Rate	Auto (recommended) ▾					
Extended Addressing	<input checked="" type="radio"/> On <input type="radio"/> Off					
Network ID	pDDL					
Encryption Type	AES-128 ▾					
Encryption Key					
Show password	<input type="checkbox"/>					
RF Comport Configuration						
Comport1 TX Rate	Normal Rate ▾					
Comport2 TX Rate	<input checked="" type="radio"/> Data Mode Disabled					

串口测试

此次测试的是 master 串口做为 TCP Server,配置如下

Serial Port Configuration

Port Configuration

Port status	<input type="text" value="Data"/>
Data Baud Rate	<input type="text" value="115200"/>
Data Format	<input type="text" value="8N1"/>
Data Mode	<input type="radio"/> Seamless <input checked="" type="radio"/> Transparent
Character Timeout	<input type="text" value="24"/>
Maximum Packet Size	<input type="text" value="256"/>
No-Connection Data 	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
MODBUS TCP Status	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
IP Protocol Config	<input type="text" value="TCP Server"/>

TCP Configuration

Server Mode	<input checked="" type="radio"/> Monitor <input type="radio"/> Polling
Polling Timeout (seconds)	<input type="text" value="10"/>
Local Listening port	<input type="text" value="20002"/>
Incoming Connection Timeout(seconds)	<input type="text" value="300"/>

TCP CLIENT 从网络发送数据给 PDDL 串口

