

External control

Ethernet



3. 傳輸參數

以太網通信的IP地址包括兩個部分。

- 1) IP地址 192.168.000.002
- 2) 網關掩碼 255.255.255.000

IP地址與網關掩碼求與后的值表示一個網段。

剩餘部分表示不同的設備。

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II 連接方法：

1) 修改電腦的IP地址和網關掩碼，使其與PD3在同一個網段中，并代表不同設備。

	IP 地址	網關掩碼
PD3默認地址	192.168.000.002	255.255.255.000
電腦地址范例	192.168.000.004	255.255.255.000

2) 連接EIA-485設備和PD3電源。連接完成后網口指示燈會開始閃爍。

3) 設PD3為外部控制模式。

4) 開始通信。(例如，可以使用socket來通信。)

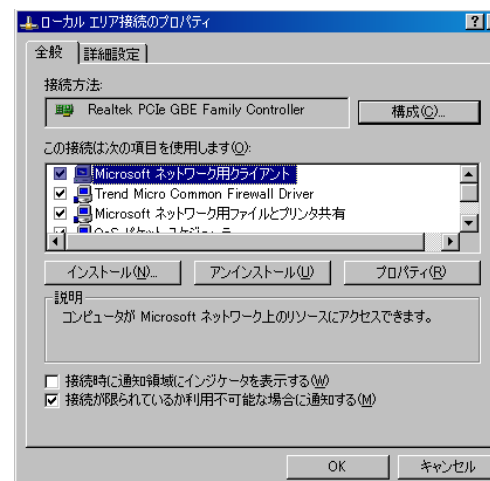
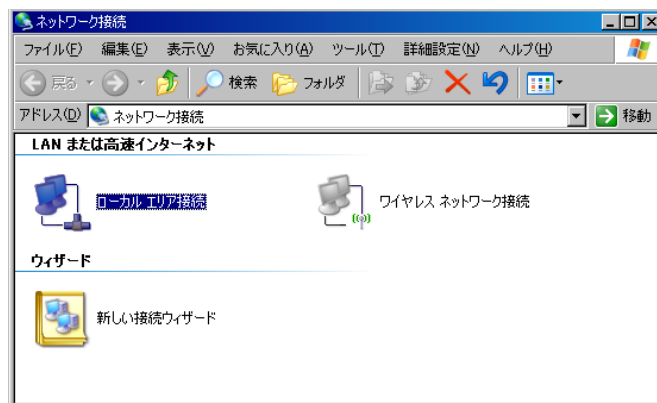


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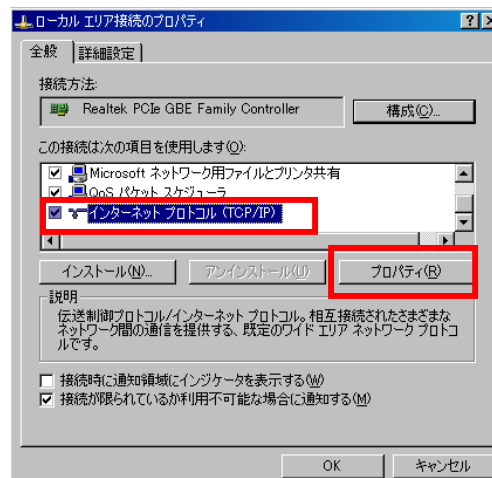
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III 測試方法：

1. 關閉電腦所有的網絡連接（有線網，無線網等）
2. 右擊“網上鄰居”->屬性->右擊“本地連接”



3. 選擇“TCP/IP協議”



->屬性



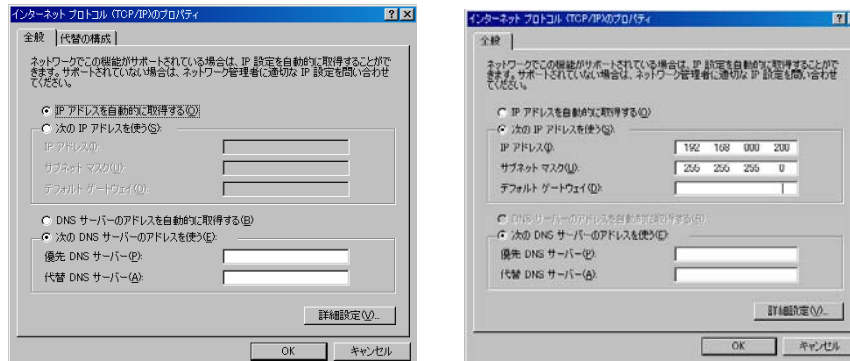
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III 測試方法:



4. 選擇“使用下列的IP地址” ->輸入IP地址(如192.168.0.4) ->輸入網關掩碼(如255.255.255.0)。



5. “開始菜單” -> “指令” -> 輸入“cmd”



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III 測試方法：

6. 確認連接狀況，CMD中輸入“ping 192.168.0.2”

若連接正常會顯示TTL=128

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\irietm\Desktop>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\irietm\Desktop>
```

若時連接異常如下

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\irietm\Desktop>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Destination host unreachable.
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Documents and Settings\irietm\Desktop>
```



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III 測試方法:



7. 連接PD3，輸入 “telnet 192.168.0.2 40001”

```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Yirietm\Desktop>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\Yirietm\Desktop>telnet 192.168.0.2 40001_
```

8. 輸入 “@00CE3”，收到回信OK!

```
Telnet 192.168.0.2

@00CE3
@00004f
```