How to configure the serial tunneling using 2 PS110s

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You can configure the serial tunneling using 2 PS110s as below.

PC –(Serial)- PS110 –(Ethernet)- PS110 –(Serial)- PC(or loop back)

1.Test   Preparation.

1-1. PS110(2EA),

     DB9 Serial Cross Cable(1EA),

     Power 9V 700mA(2EA),

     PC or Laptop (1EA),

     Loop back connector(2-3, 4-6, 7-8 Cross)

1-2. Ethernet connection

PC---(Eth)---Switch---(Eth)---PS110[Server]

Switch---(Eth)---PS110[Client]

1-3. PS110 Connection
 - Connect power and Ethernet cable
 - Select RS232 mode on Serial Mode switch(1-ON, 2-OFF, 3-OFF)
 - Check Link LED and Power LED.
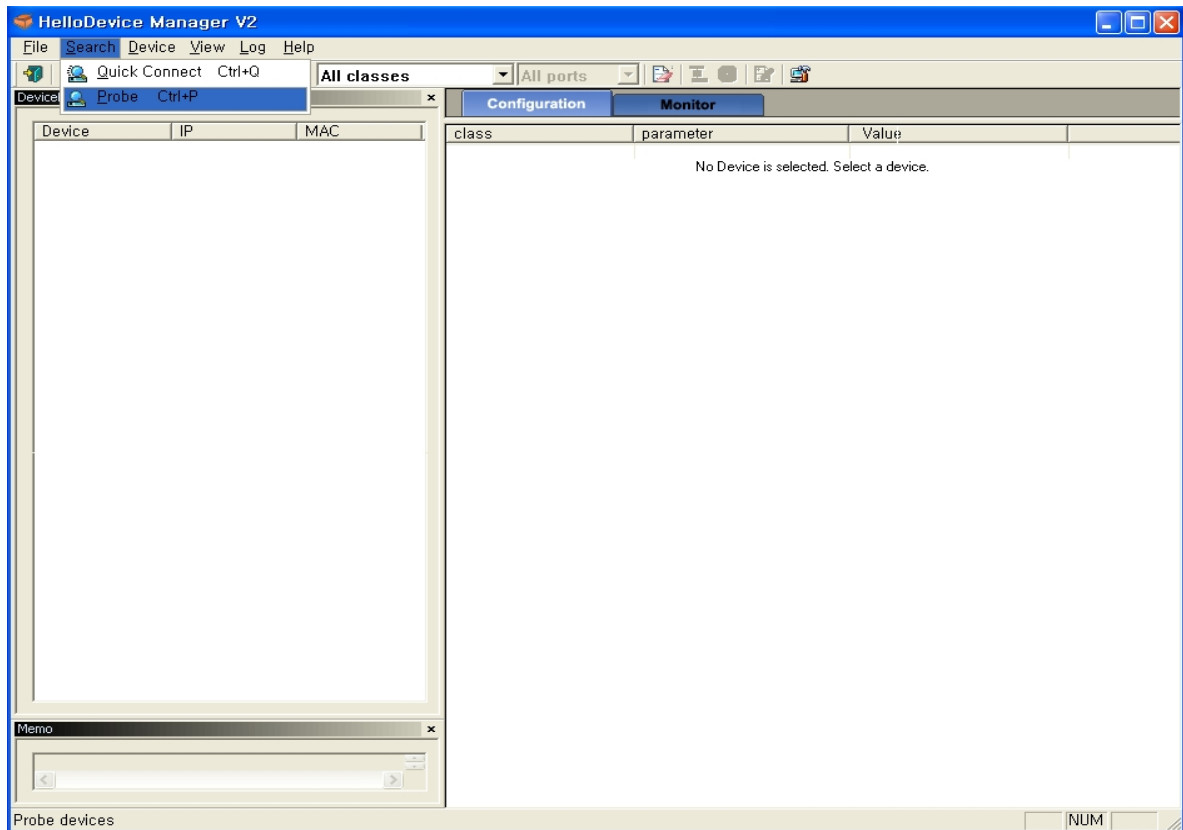 - Select Data/Console switch to Data side

2. PS110 – Server configuration.
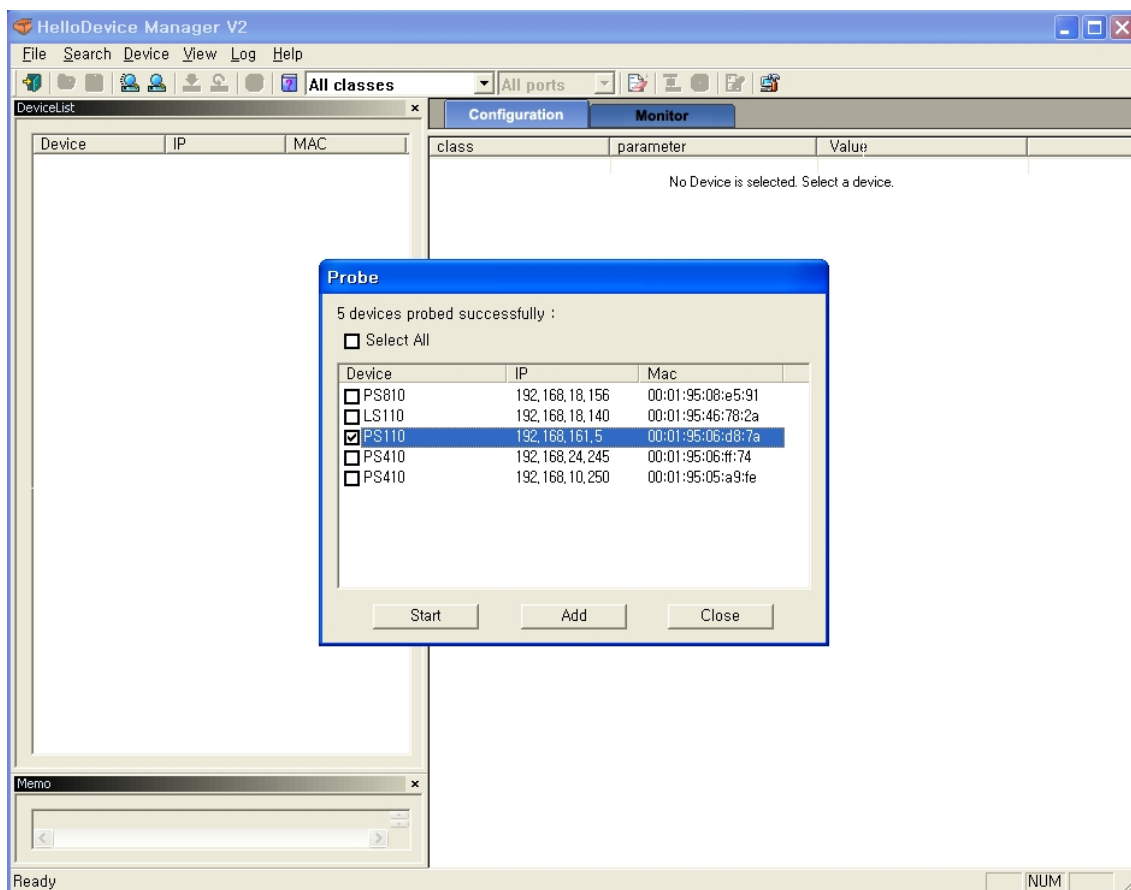
2-1. Run Hello device Manager V2

You can download HelloDevice Manager V2 as below URL

http://sena.com/download/software/setup_hdmgr-v2.0.5.exe

2-2. Probe

- Select Search -> Probe

- You can see PS110s on your network.
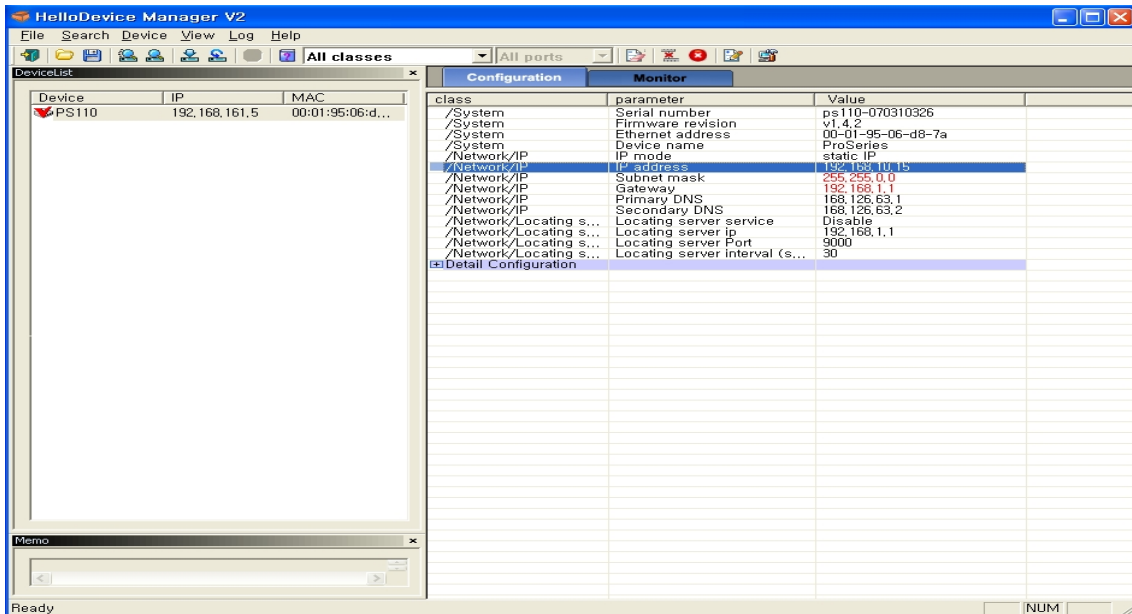
- Select your PS110[Server] and Click Add
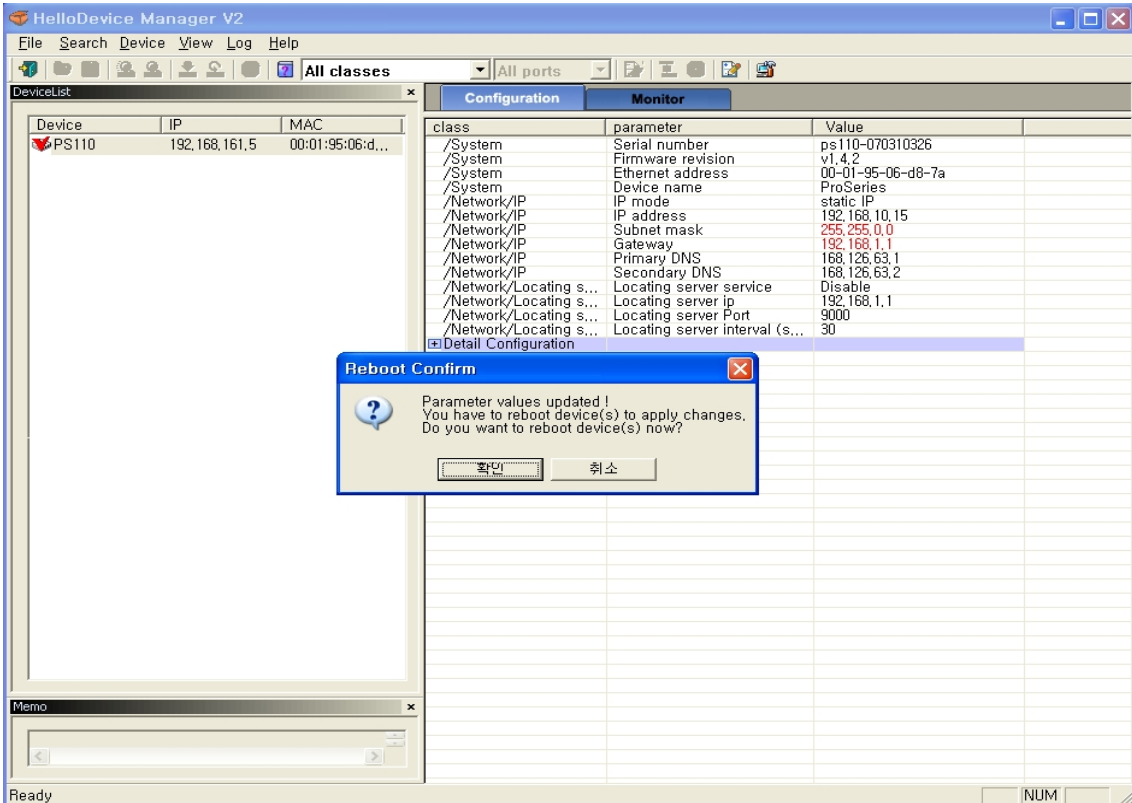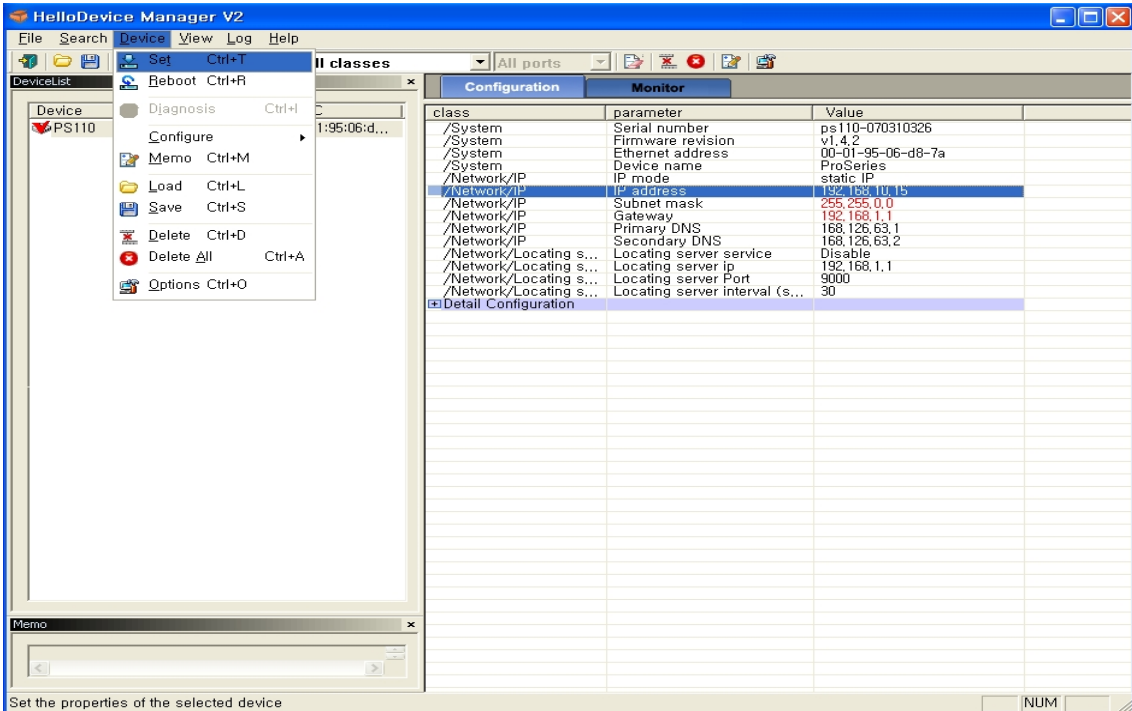
2-3. Login and IP configuration

 - You can see your PS110 on DeviceList

 - The factory default IP address is 192.168.161.5.

 - You can see ID/Password windows when click your PS110 on DeviceList.

   Connect As: root, Password :root
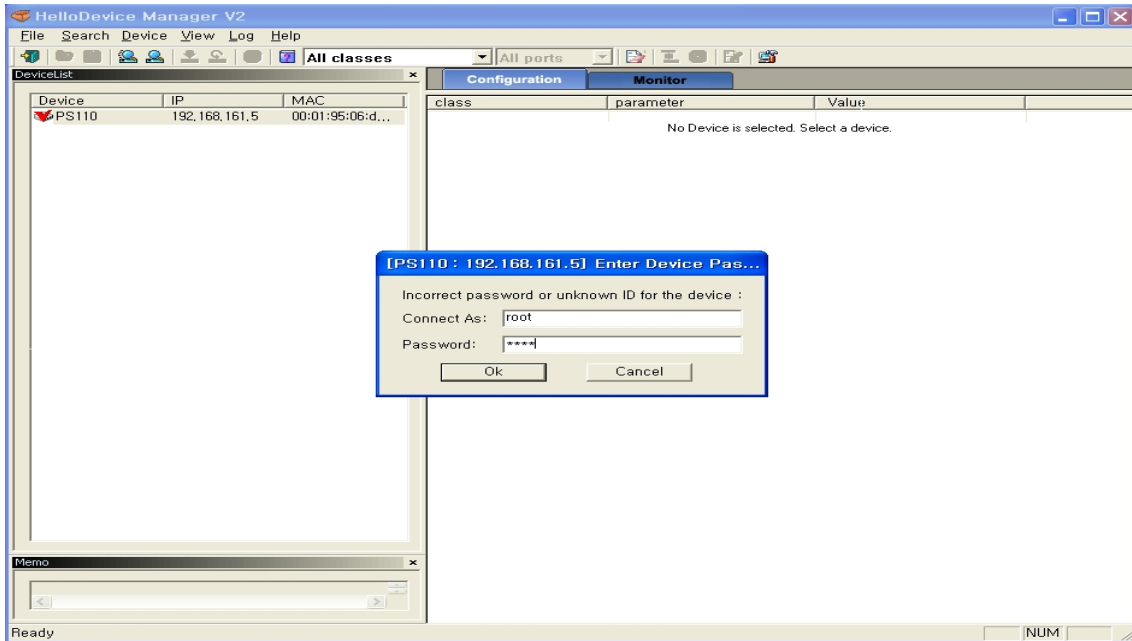
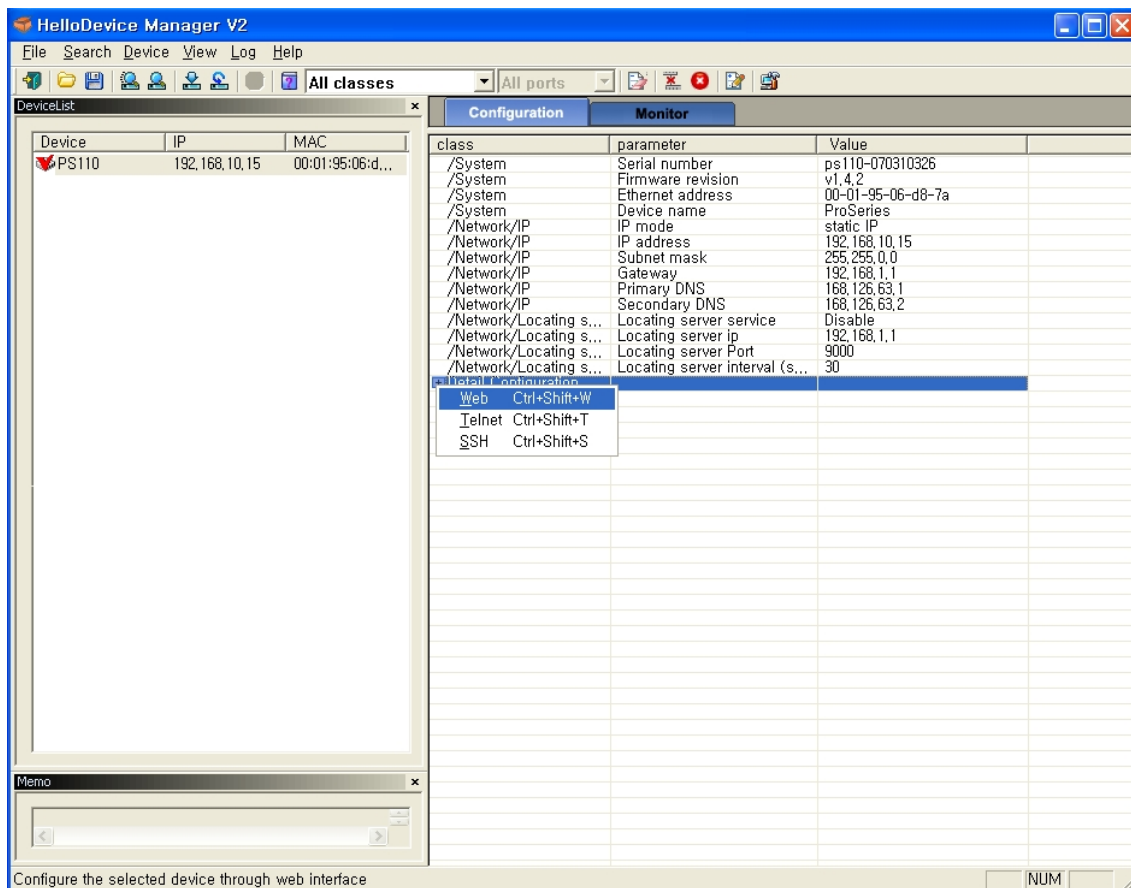 - Please configure IP address of PS110[Server]

  IP : 192.168.10.15

- Select menu Device -> Set

2-4. Serial configuration.

- You can configure serial parameter using WEB interface

- Select Web on HelloDevice manager (Click '+')

- Login the WEB, You can see below screen

- Select Serial port configuration – configuration

- Below is 19200bps configuration
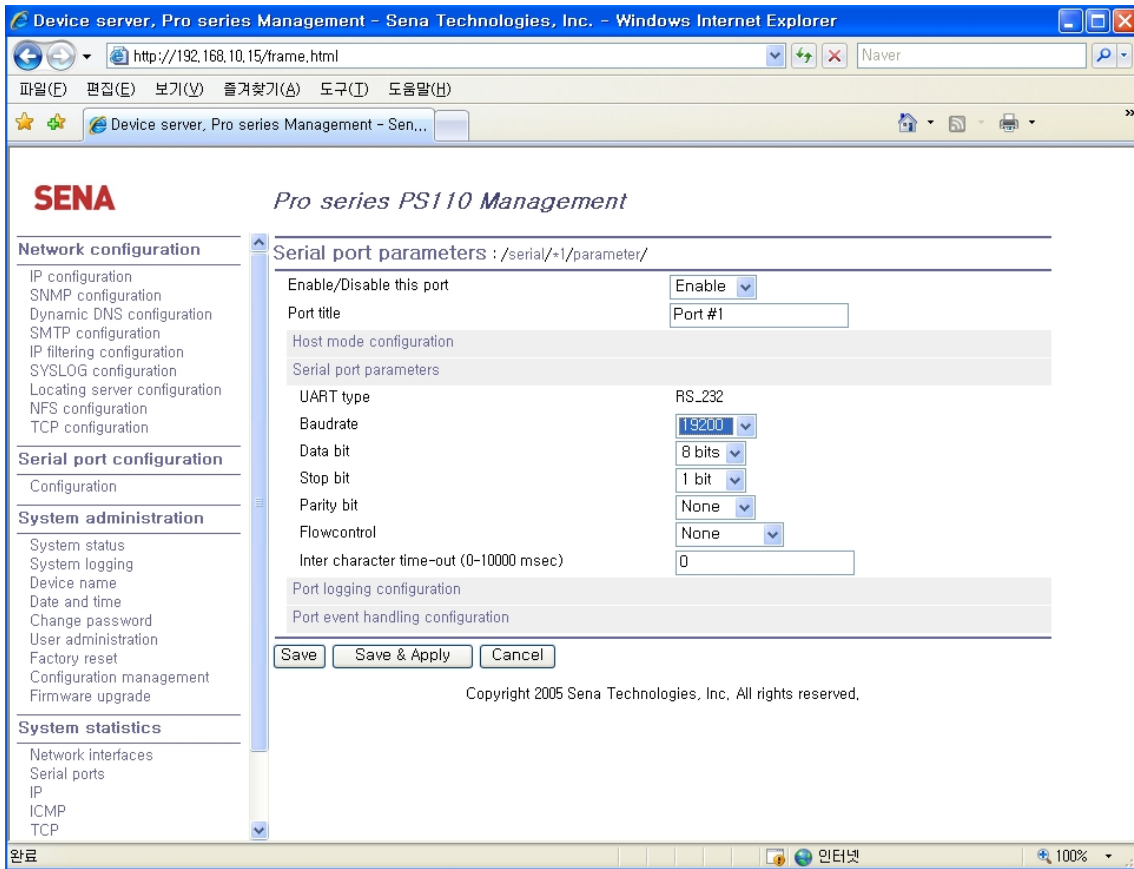
- Click Save & Apply

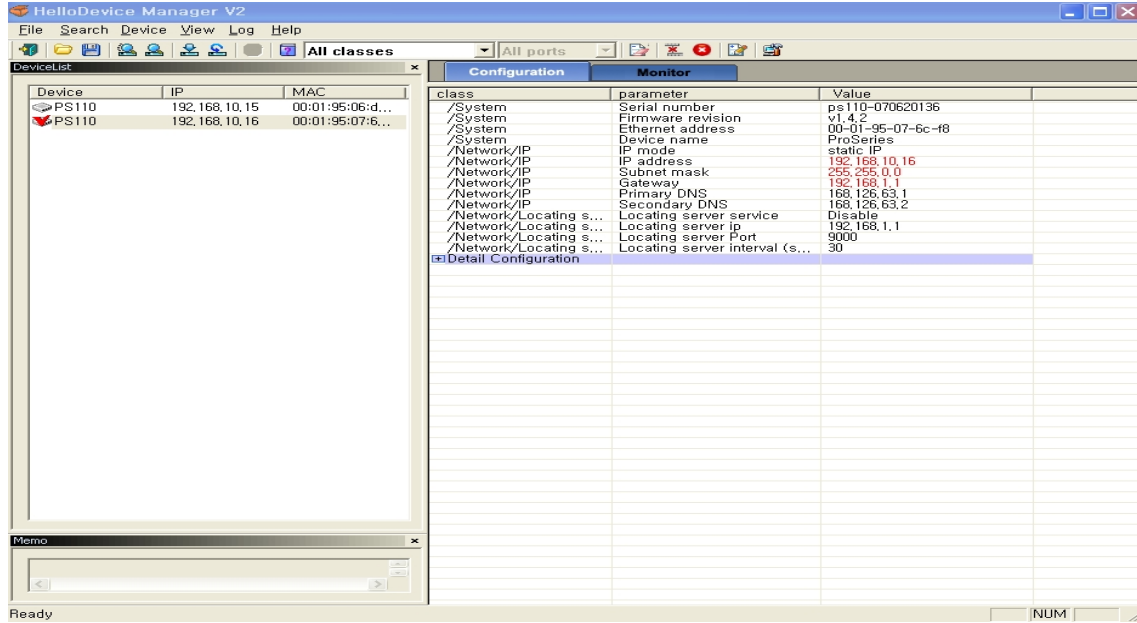* This PS110 works Server mode.

3. PS110 Client Configuration

3-1. IP, Serial setting

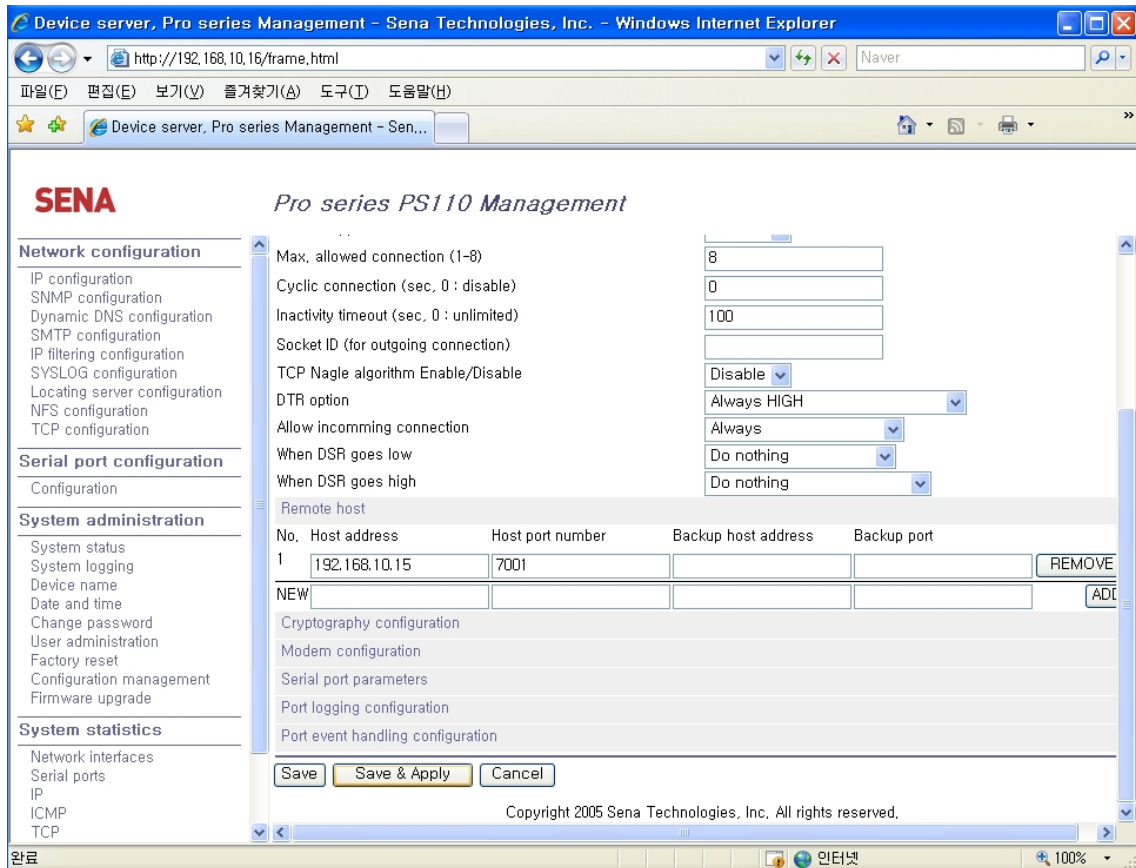 - This is same as PS110[Server] configuration except IP Address

- Please configure IP address of PS110[Client]

  IP : 192.168.10.16

3-2. Configure Remote Host

 - Add the remote host(PS110[Server])

 - Host : PS110[Server] IP Address – 192.168.10.15

 - Port : PS110[Server] Port – 7001

 - PS110[Client] connects to PS110[Server] when received serial data

4. Send/Receive Test

- Connect the loop back connector to PS110[Server] Server
- Connect the Serial cable to PS110[Client]
- Below is data communication flow

PC(COM1)-(Serial)- PS110(Client) -(Ethernet)-PS110(Server) → Loop back

- PS110(Server)---(Ethernet)---PS110(Client)---(COM1)PC

- Open the Hyper Terminal(19200,N,8,1,NoFC)

- You can see below screen on PC serial port.