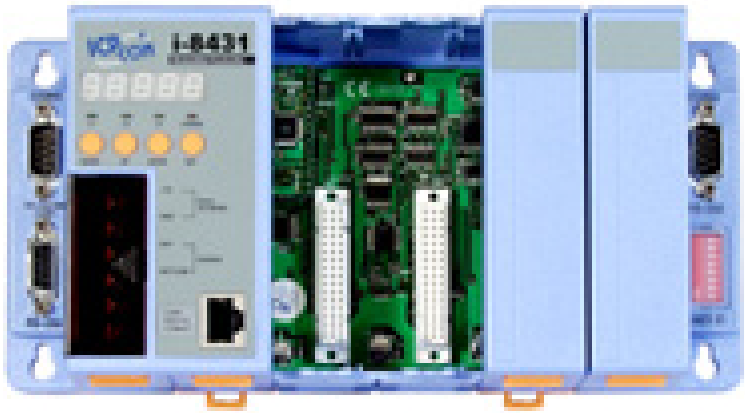
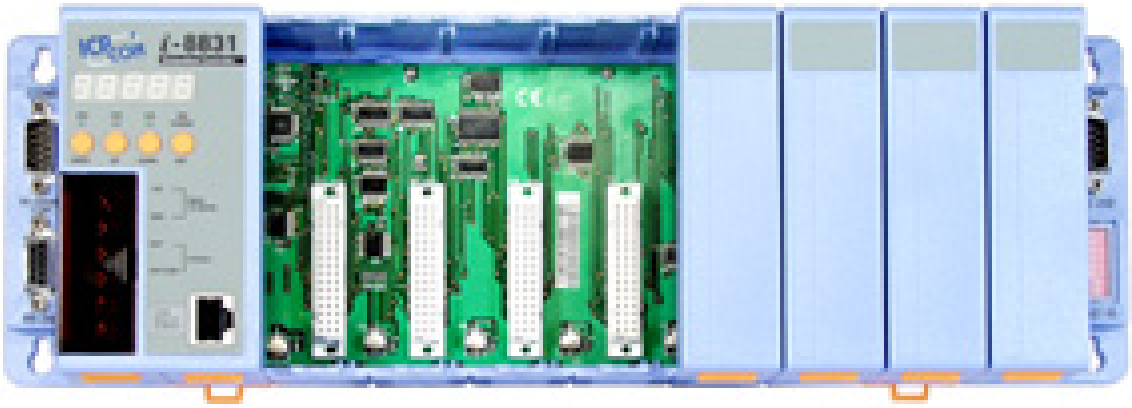
8431/8831 Quick Start



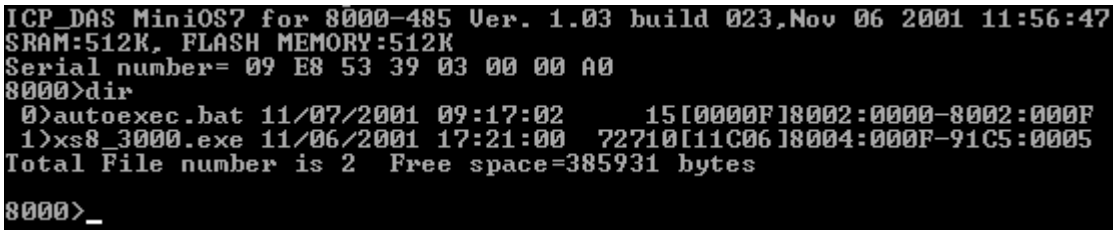


Refer below files to get more information:

1. 8000\843x883x\Document\Readme.htm
2. 8000\843x883x\Document\8000E_Quick_Start.pdf
3. 8000\843x883x\Document\Introduction.pdf
4. 8000\843x883x\Document\8000Eh.pdf
5. 8000\843x883x\Tcp\Vxcomm\Doc\Big5 or Eng or Gb2312\Vxcomm.htm
6. 8000\843x883x\Tcp\Xserver\Xserver.htm
7. 8000\843x883x\Tcp\Xserver\Function.htm

1. Use 7188xw.exe to link 8000E

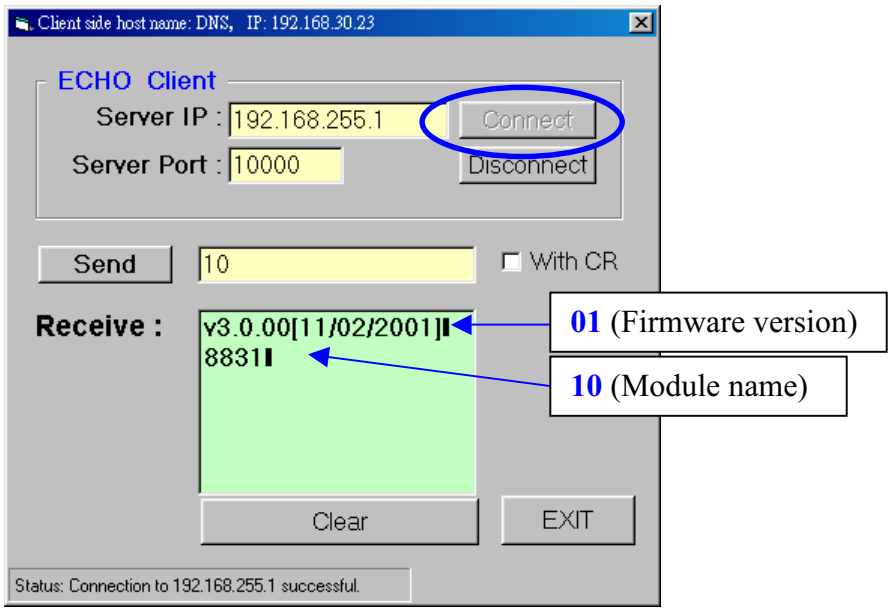
Step 1: Execute 7188xw.exe to enter MiniOS7.
Step 2: Use DIR command to get the default shipping of 8000E as follows:



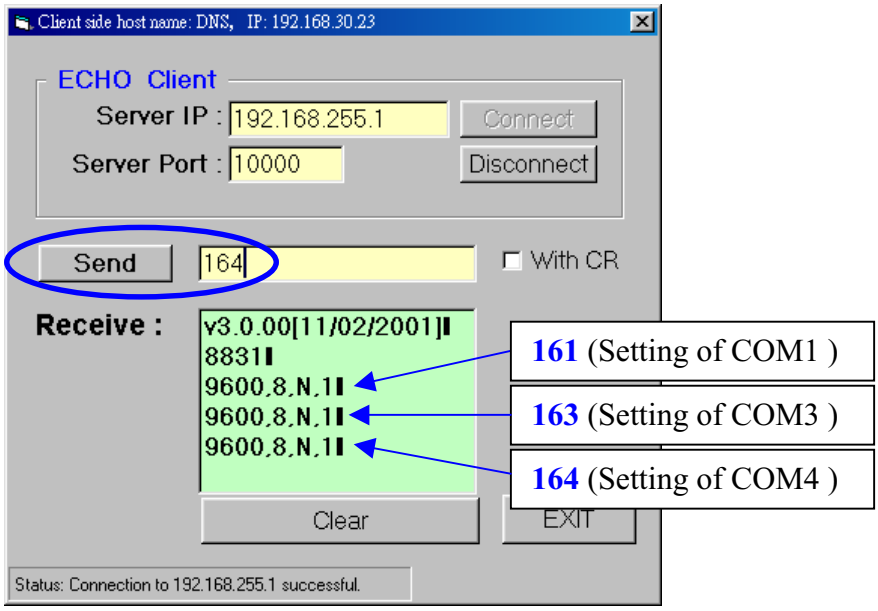
The Xserver, XS8_3000.exe (3000 means version), is the standard firmware when the 8000E series is shipped. It can support **virtual COM** & **Ethernet I/O applications** without any modification.

2. Use Client4.exe to link 8000E

Step 1: Execute 8000\843x883x\TCP\Xserver\Client\Vb5\Client4\Client4.exe in host-PC. Press "**Connect**" button to connect to 7188E3.
Send command "**01**", "**10**".

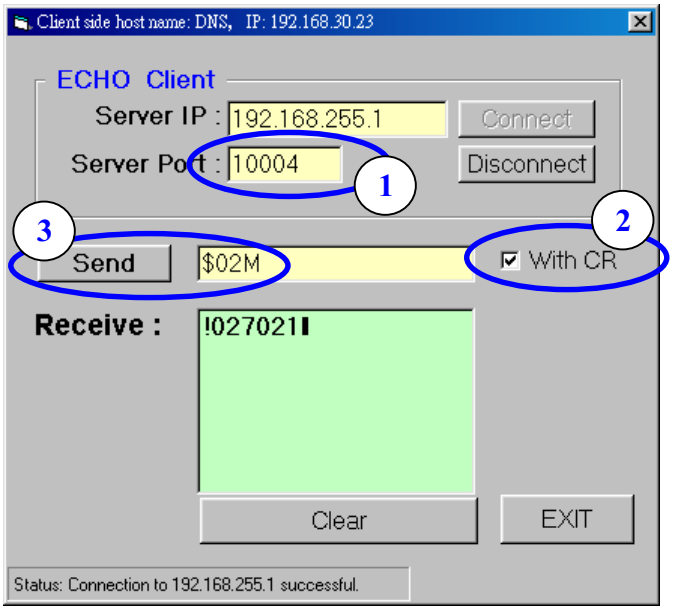


Step 2: Send "161", "163" and "164" to readout COM port setting (843x dosen't have COM4).



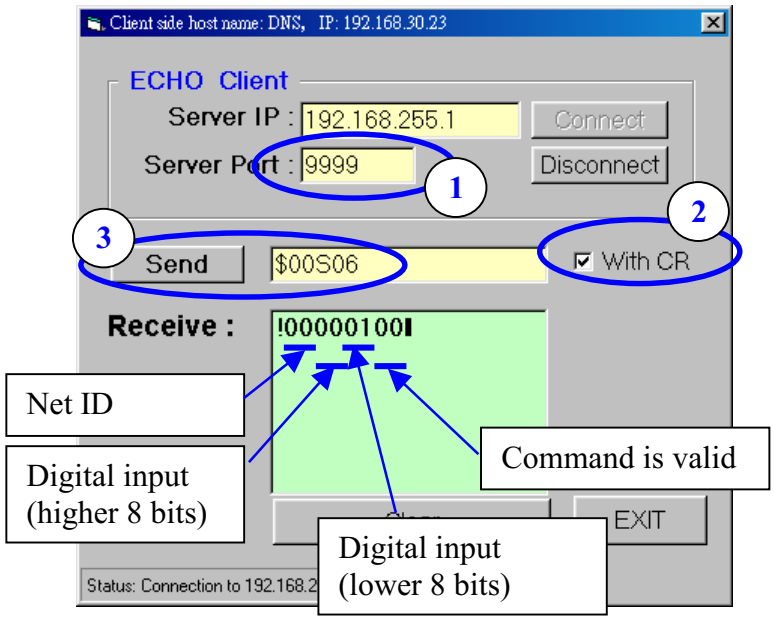
Step 6: Disconnect, then reconnect at **port 10004**.

Step 7: Select "**With CR**", then send "**$02M**" to read 7000 module's ID which is connected to 8000E's COM4.



Step 8: Disconnect, then reconnect at **port 9999**.

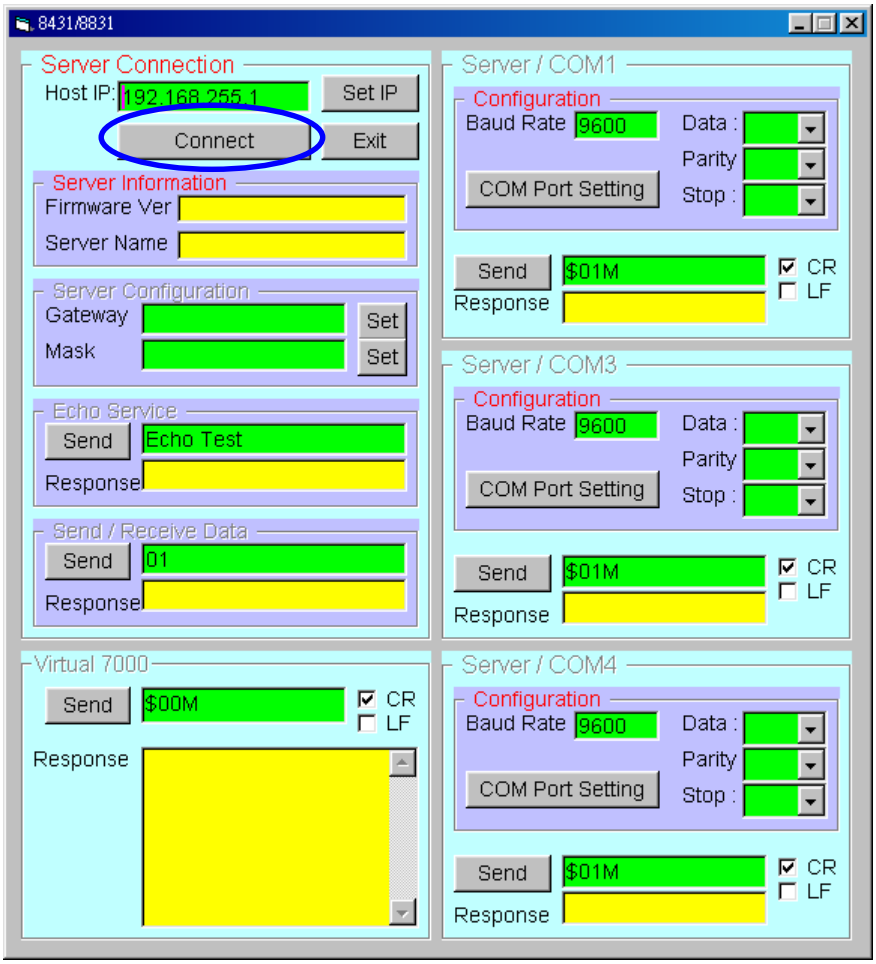
Step 9: Send "**$00S06**" to read digital input of 8k or 87k module pluged at slot 0 of 8000E. The response "!00000100" means DI0 is hight.



Note: Xserver will support port 9999 later.

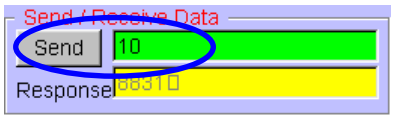
3. Using 8431.exe link 8000E

Step 1: Execute 8000\843x883x\TCP\Xserver\8431\Vb5\8431.exe.

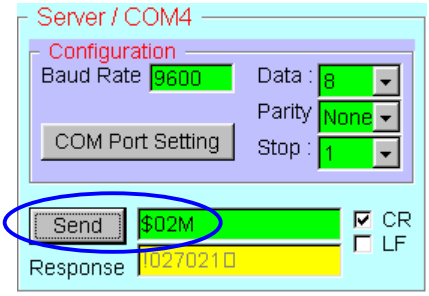


Step2: Press "**Connect**" button. Then the program will send command to readout relative information about 8000E.

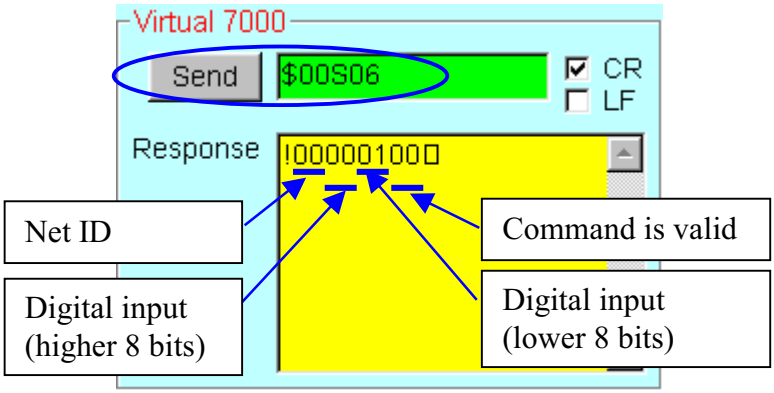
Step 3: Send "**10**" to readout the module name.



Step 4: Send "**$02M**" to read 7000 module's ID which is connected to 8000E's COM4.



Step 5: Send "**$00S06**" to read digital input of 8k or 87k module pluged at slot 0 of 8000E. The response "!00000100" means DI0 is hight.



Note: Xserver will support port 9999(Virtual 7000) later.

4. Modify Xserver

Step 1: Modify Xserver demos (for example: Demo41).
Step 2: Compile the project.
Step 3: Execute 7188xw.exe to link 8000E.
Step 4: Delete all files in Flash memory.

```
8000>del /y
Total File number is 3, do you really want to delete(y/n)?

8000>dir
Total File number is 0  Free space=458720 bytes

8000>_
```

Step 5: Download autoexec.bat and .exe file (for example: Demo6.exe).

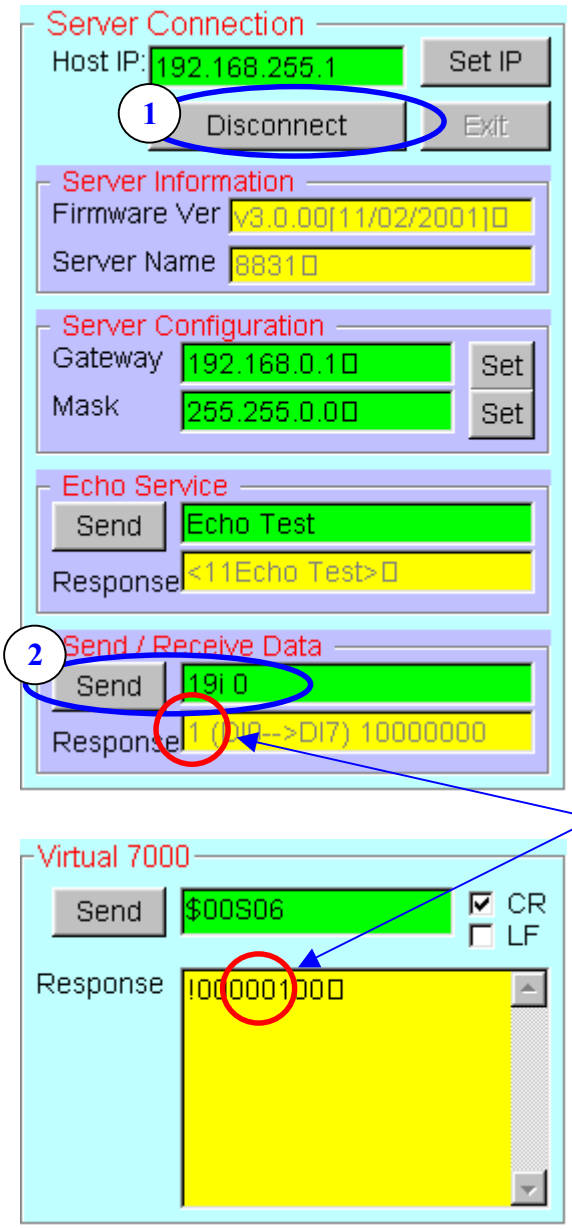
```
8000>load
File will save to 8000:0000
StartAddr-->7000:FFFF
Press ALT_E to download file!
Input filename:autoexec.bat
Load file:autoexec.bat
Send file info. total 1 blocks
Block 1
Transfer time is: 0.056000 seconds

8000>
```

```
8000>load
File will save to 8003:0001
StartAddr-->8000:0030
Press ALT_E to download file!
Input filename:demo41.exe
Load file:demo41.exe
Send file info. total 286 blocks
Block 286
Transfer time is: 14.277000 seconds

8000>
```

Step 6: Turn off 8000E.
Step 7: Plug one digital input parallel module (8 D/I channels) into slot 0 of 8000E. For example: 8052, 8054, 8055 or 8058.
Step 8: Run client program in PC (for example: 8431.exe). The command protocol between client program and Xserver depandent on user-defined. Send command to 8000E to test new user-defined command in Xserver (for example:
19i 0→ Read digital input value from slot 0 of 8000E
19i 1→ Read digital input value from slot 0 of 8000E).



Sending user-defined command can get the same value as sending 8000 (or 7000) command "$00S06".

Note: Xserver will support port 9999(Virtual 7000) later.