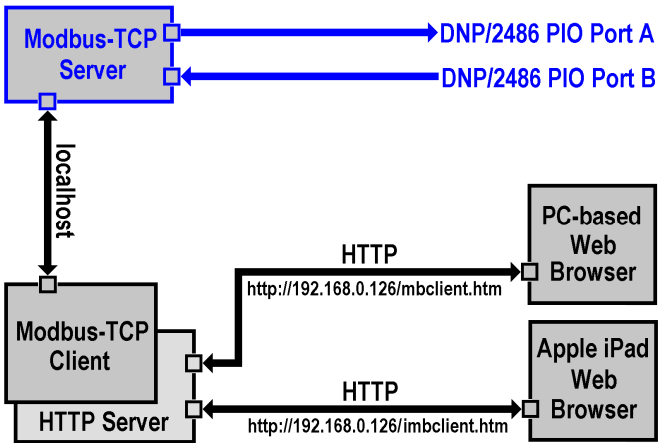
How to use the DNP/2486 Modbus-TCP demo with your Apple iPad

The DIL/NetPC DNP/2486 starter kit DNP/SK29 is also with a pre-installed comprehensive Modbus-TCP demo available (order code DNP/SK29-MB). The software includes a Modbus-TCP server (*mbserver*), a Modbus-TCP command line client (*mbclient*) and a Modbus-TCP CGI client (*mbclient.cgi*, *imbclient.htm* and *mbclient.htm*) for the DNP/2486 embedded HTTP server.



The DNP/2486 Modbus server allows Modbus-TCP-based access to the PIO Port A and Port B bits. Port A (PA0 – PA7) is used as an 8-bit output. Port B (PB0 – PB7) is used as an 8-bit input.

- **1. Step**: Use a Telnet session as root user and execute the following command line to run the pre-installed Modbus TCP server:

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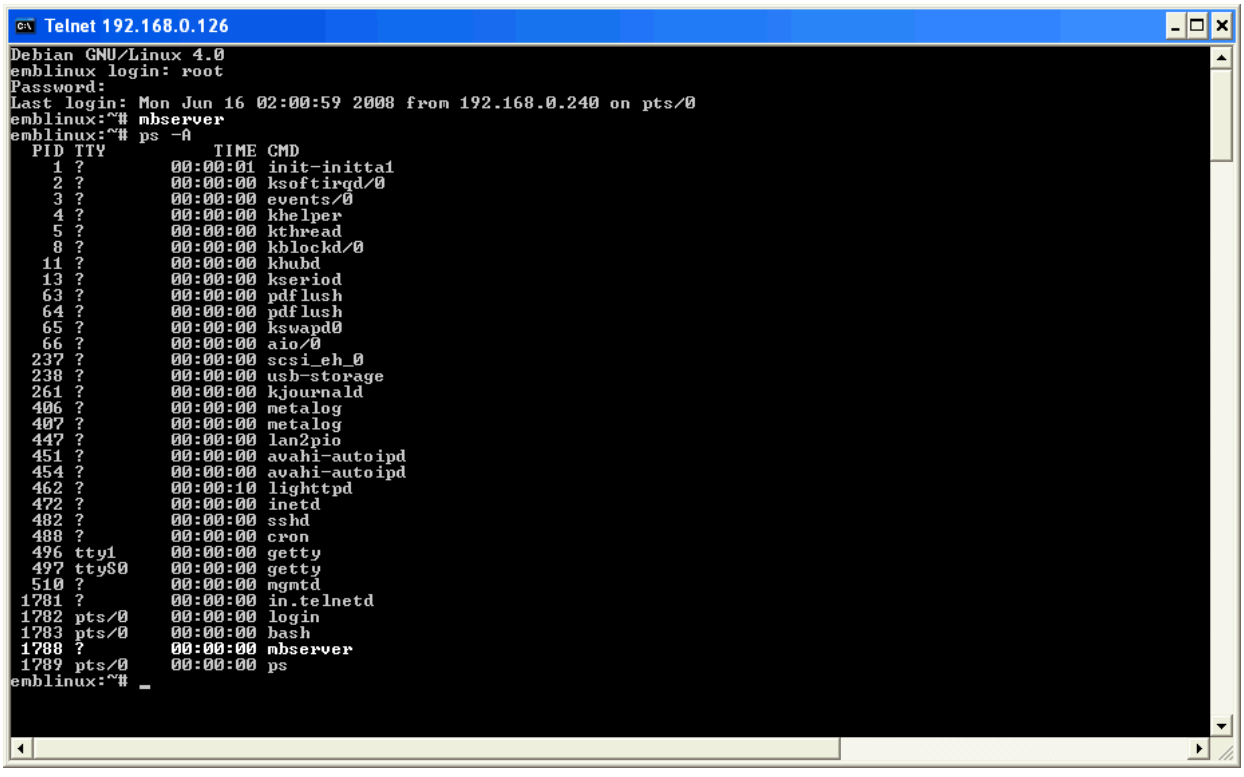
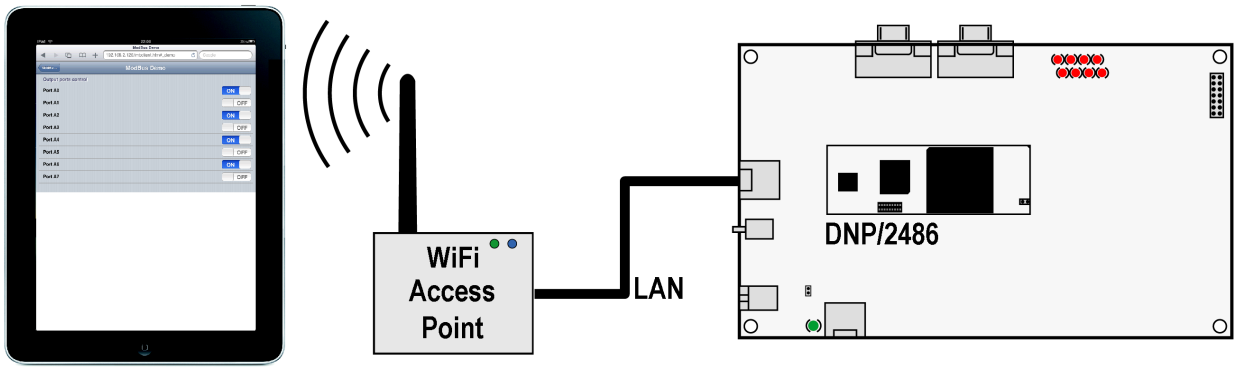
mbserver
```



- **2. Step**: Make sure that your Apple iPad WiFi interface and your DNP/2486 Ethernet LAN interface are connected within the same TCP/IP network (e.g. within the IP address range 192.168.0.x). The following picture shows a typical network configuration.



- **3. Step**: Please run the Safari web browser on your Apple iPad and access the DNP/2486 Modbus-TCP CGI client with the following URI:

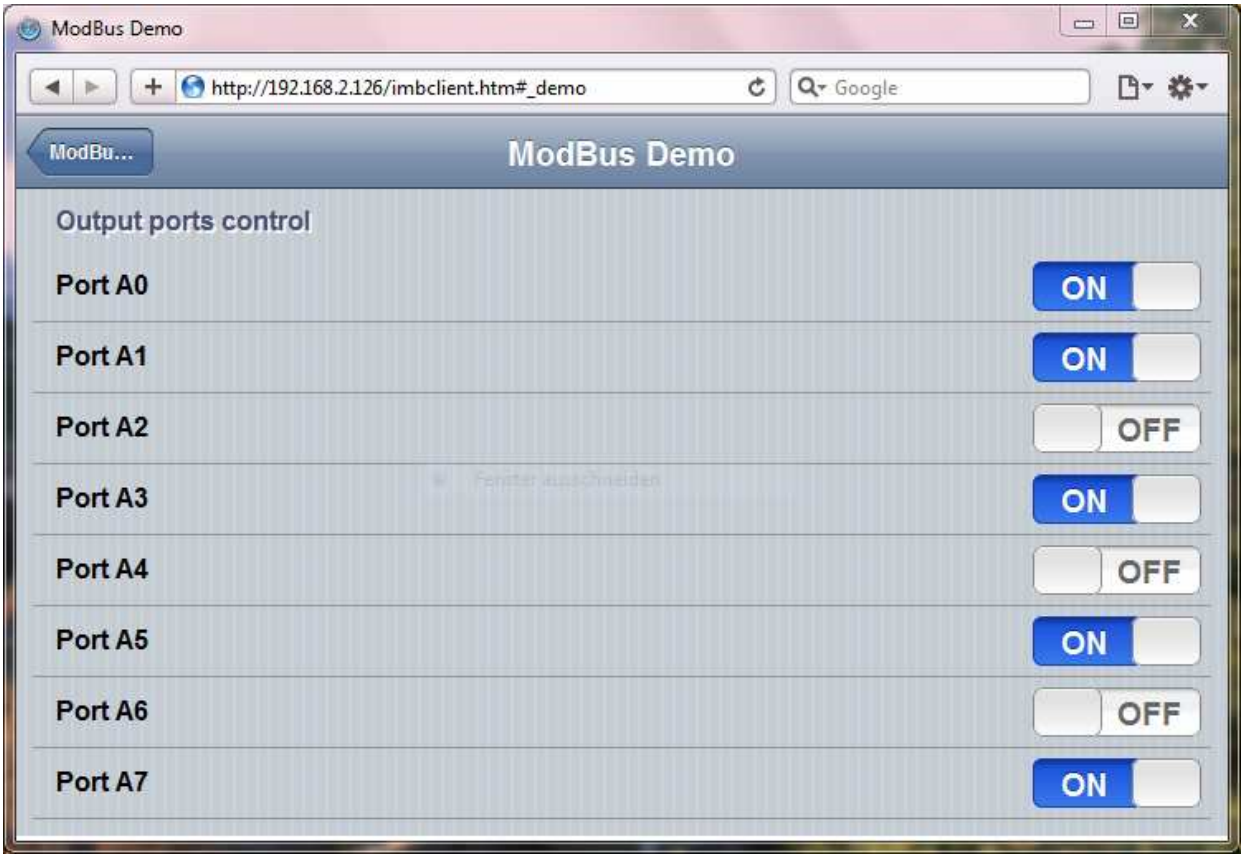
  `http://192.168.0.126/imbclient.htm`

  Then **s**elect the *Demo* button within the Safari browser window. This brings you to a web page with some controls for each PIO Port A LED PA0 to PA7 on the DNP/EVA11-SV1 evaluation board. Please use these controls to turn the LEDs on and off.

Please note: The Safari browser of your iPad is also as a PC version for Windows available. Safari on your PC delivers the same web interface lock and feel for the URI

`http://192.168.0.126/imbclient.htm`

as the Safari on the Apple iPad.



That's all.