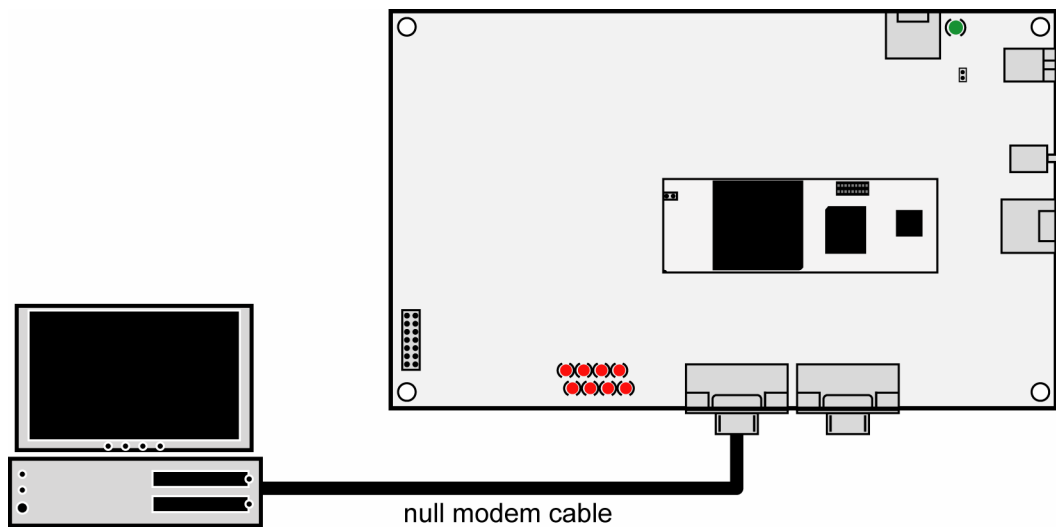


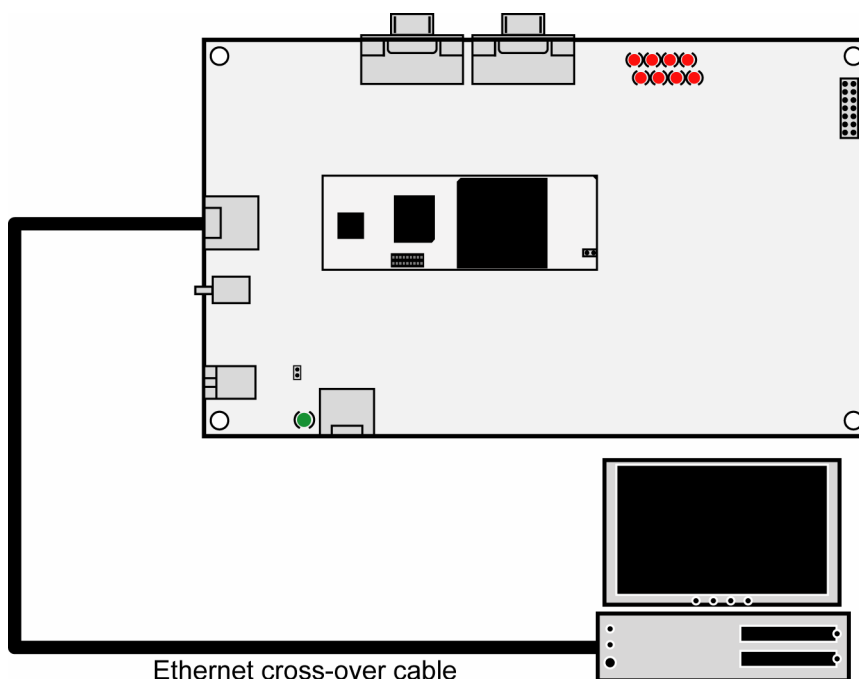
How to use the DNP/2486 with ROM-DOS 6.22

Apart from Linux the DIL/NetPC DNP/2486 runs also the Datalight ROM-DOS 6.22 O/S (please see also <http://www.datalight.com/>). The DNP/2486 ROM-DOS configuration is identical to the DOS of the first x86-based DIL/NetPC DNP/1486.

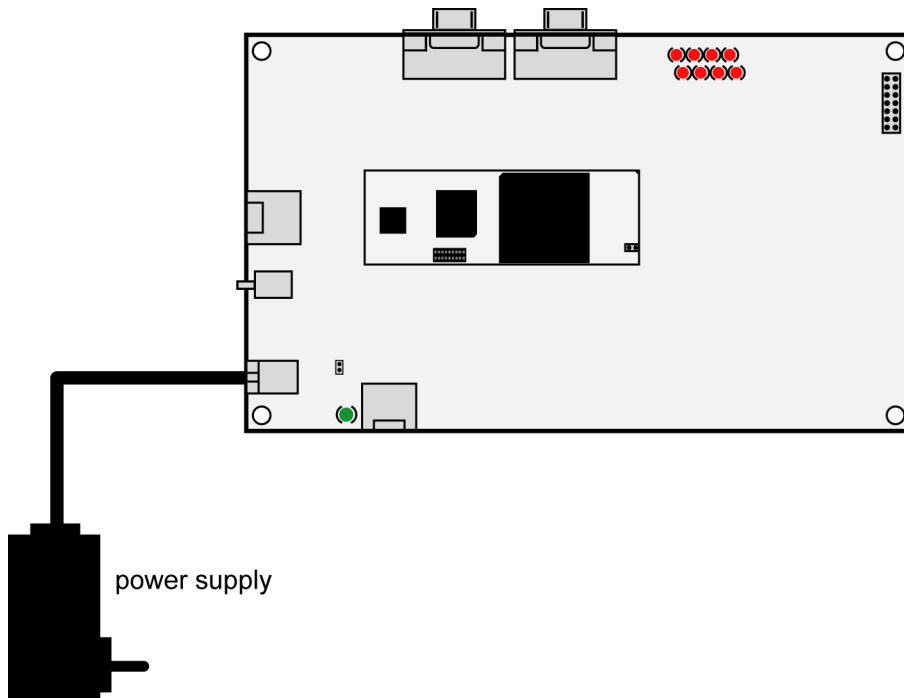
- **1. Step:** Setup a RS232-based serial link between the DNP/2486 COM1 serial port and your development PC. Run a terminal emulation program (e.g. HyperTerminal or minicom) and configure this tool to 115.200 bps, 8 data bits, 1 stop bit, no parity bit and no handshake.



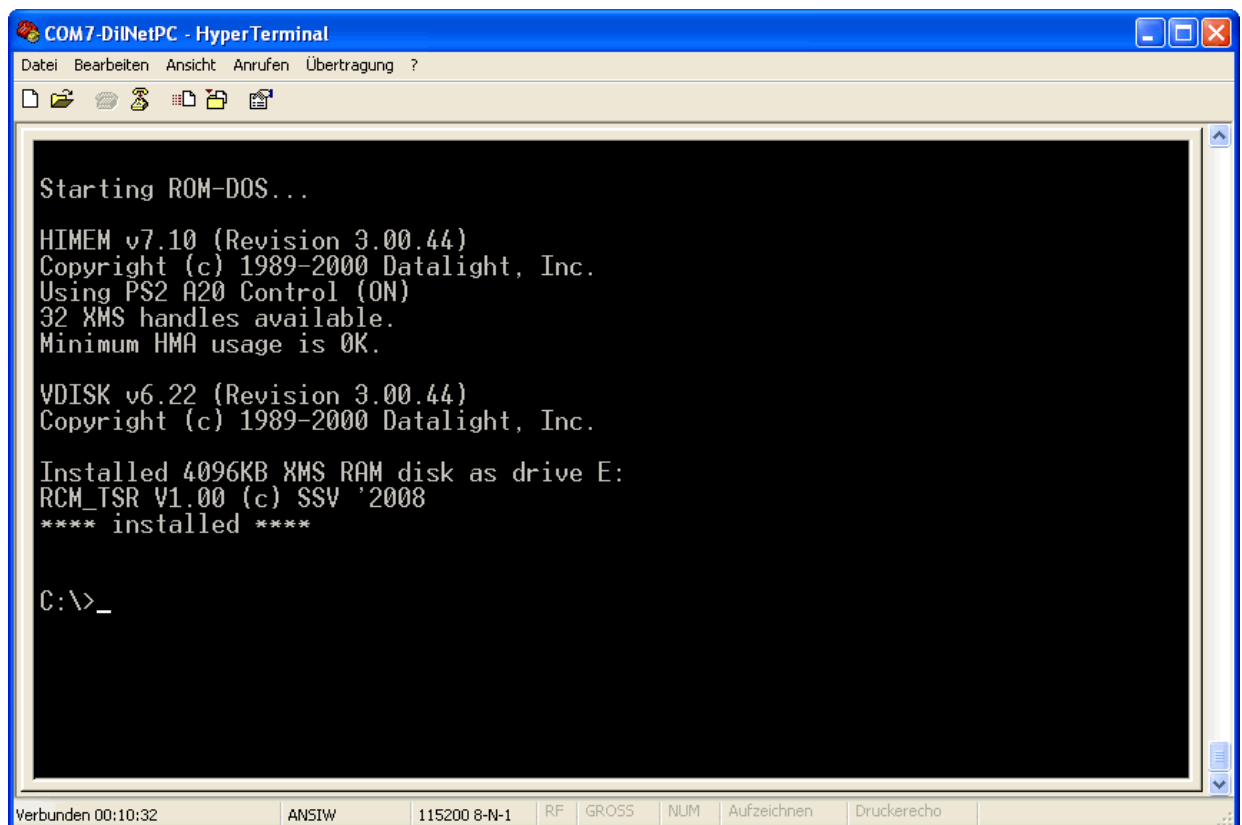
- **2. Step:** Setup an Ethernet-LAN link between the DNP/2486 and your PC. The DNP/2486 DOS configuration comes with the default IP address **192.168.0.125**. Please make sure that your PC can work with the IP address range **192.168.0.x**.

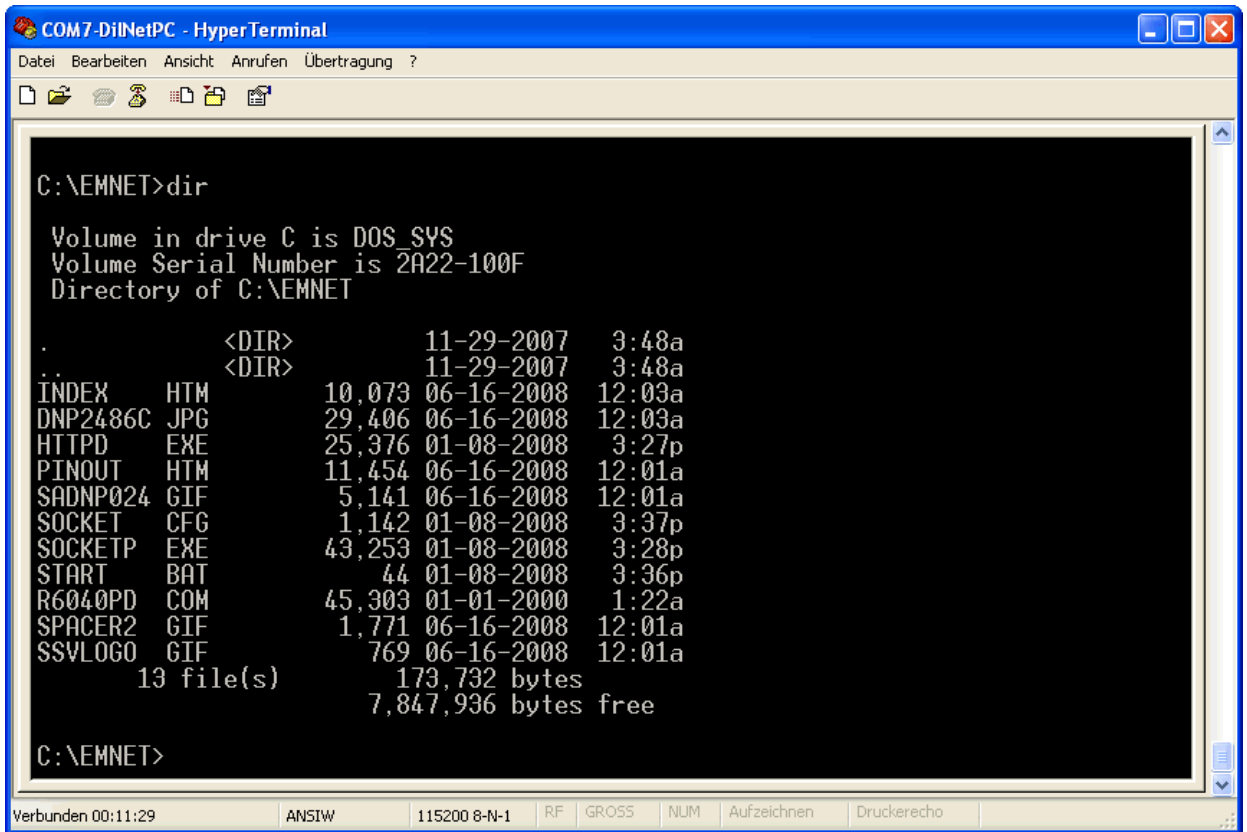


- **3. Step:** Connect a DC power supply to your DNP/2486 board and power-up the DIL/NetPC DNP/2486. Make sure that the RCM jumper is set on the DNP/2486.



- **4. Step:** Direct after booting the DNP/2486 offers a ROM-DOS command line form DOS drive C:. Please enter some DOS commands over your terminal emulation program.





```

COM7-DilNetPC - HyperTerminal
Datei Bearbeiten Ansicht Anrufen Übertragung ?
C:\EMNET>dir

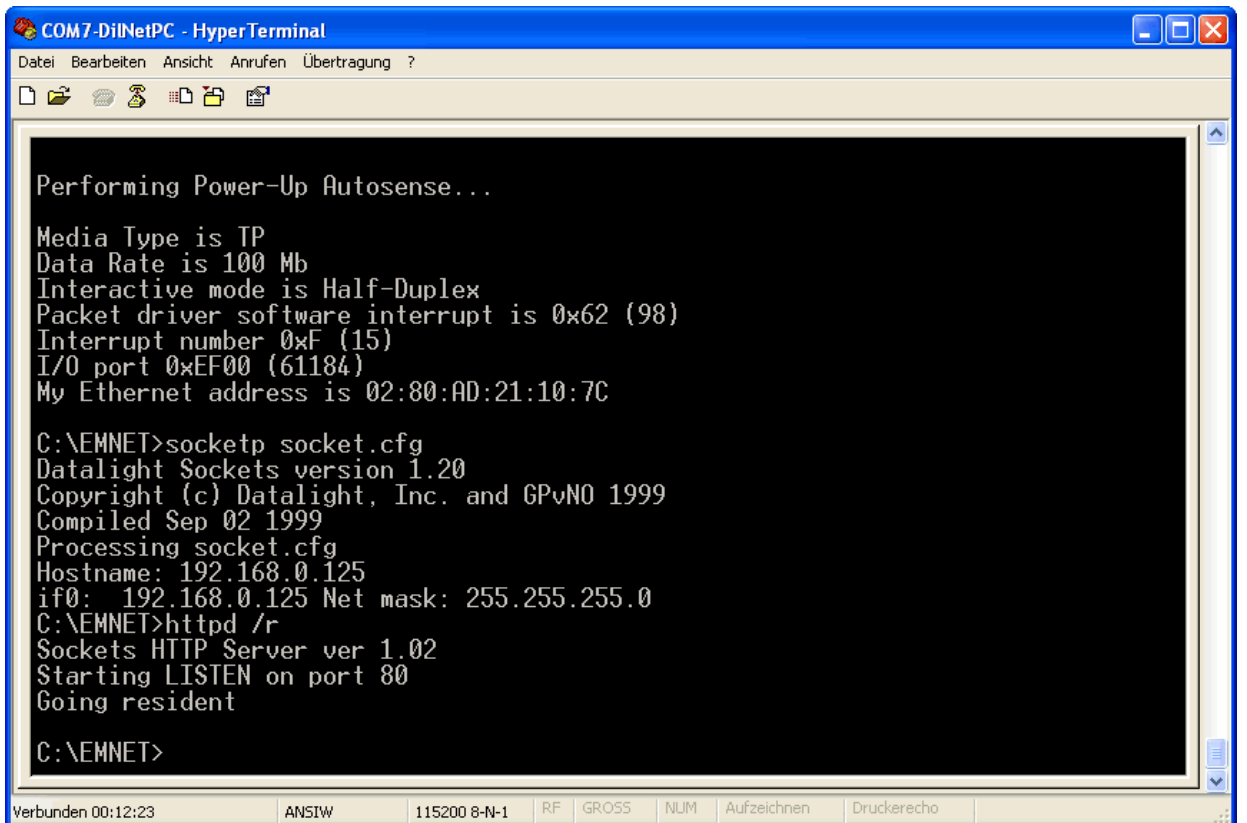
Volume in drive C is DOS SYS
Volume Serial Number is 2A22-100F
Directory of C:\EMNET

.                <DIR>                11-29-2007    3:48a
.                <DIR>                11-29-2007    3:48a
INDEX           HTM                10,073 06-16-2008 12:03a
DNP2486C        JPG                29,406 06-16-2008 12:03a
HTTPD           EXE                25,376 01-08-2008  3:27p
PINOUT          HTM                11,454 06-16-2008 12:01a
SADNP024        GIF                 5,141 06-16-2008 12:01a
SOCKET          CFG                 1,142 01-08-2008  3:37p
SOCKETP         EXE                43,253 01-08-2008  3:28p
START           BAT                 44     01-08-2008  3:36p
R6040PD         COM                45,303 01-01-2000  1:22a
SPACER2         GIF                 1,771 06-16-2008 12:01a
SSVLOGO         GIF                 769    06-16-2008 12:01a
13 file(s)      173,732 bytes
7,847,936 bytes free

C:\EMNET>

```

- **5. Step:** Change to directory `C:\emnet` and run the file `start.bat`. This starts the ROM-DOS TCP/IP stack and the embedded web server.



```

COM7-DilNetPC - HyperTerminal
Datei Bearbeiten Ansicht Anrufen Übertragung ?
Performing Power-Up Autosense...

Media Type is TP
Data Rate is 100 Mb
Interactive mode is Half-Duplex
Packet driver software interrupt is 0x62 (98)
Interrupt number 0xF (15)
I/O port 0xEF00 (61184)
My Ethernet address is 02:80:AD:21:10:7C

C:\EMNET>socketp socket.cfg
Datalight Sockets version 1.20
Copyright (c) Datalight, Inc. and GPvNO 1999
Compiled Sep 02 1999
Processing socket.cfg
Hostname: 192.168.0.125
if0: 192.168.0.125 Net mask: 255.255.255.0
C:\EMNET>httpd /r
Sockets HTTP Server ver 1.02
Starting LISTEN on port 80
Going resident

C:\EMNET>

```

- **6. Step:** Please run a web browser on your PC and access the DNP/2486 ROM-DOS home page with the URL:

http://192.168.0.125



Please note: The ROM-DOS configuration of the DNP/2486 contains three solid state disk drives:

DOS drive name	Type	Available space
C:	Flash disk (NAND flash)	7.884.800 Bytes
D:	Flash disk (NAND flash)	1.003.307.008 Bytes
E:	RAM disk	4.184.064 Bytes

That's all.