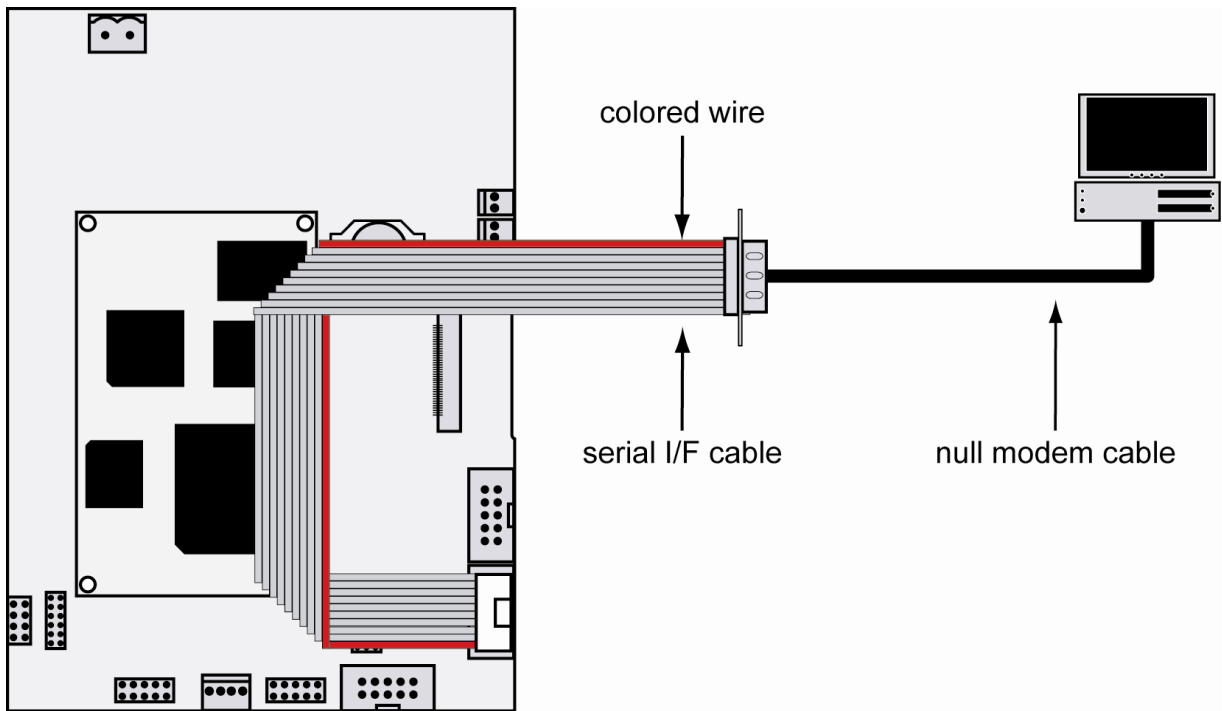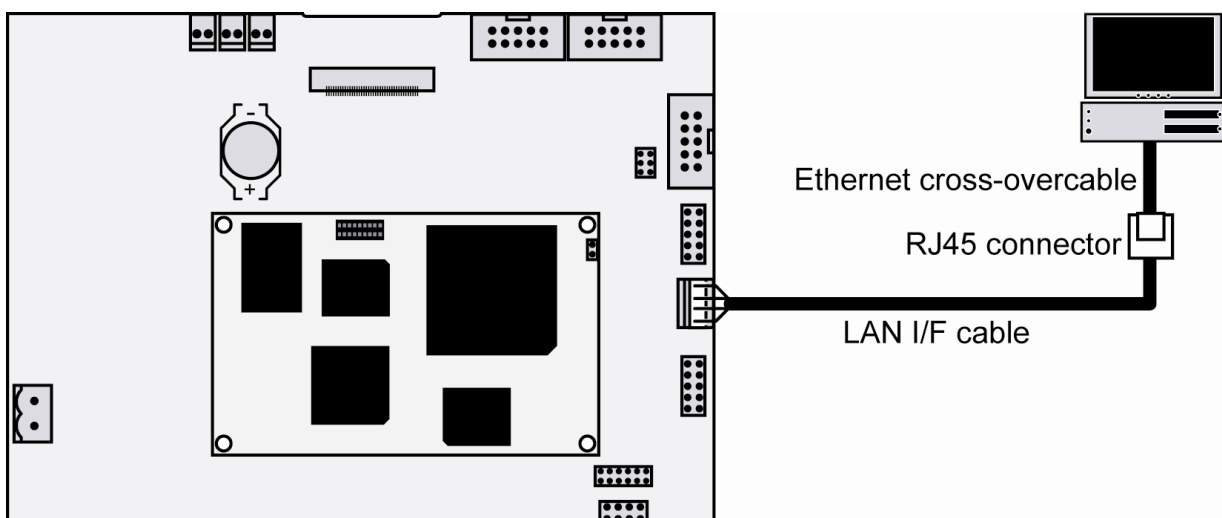# How to use the eSOM/2586 with ROM-DOS 6.22

Apart from Linux the embedded system-on-module eSOM/2586 runs also the Datalight ROM-DOS 6.22 O/S (please see also http://www.datalight.com/). The eSOM/2586 ROM-DOS configuration is identical to the DOS of the x86-based DIL/NetPC DNP/2486.
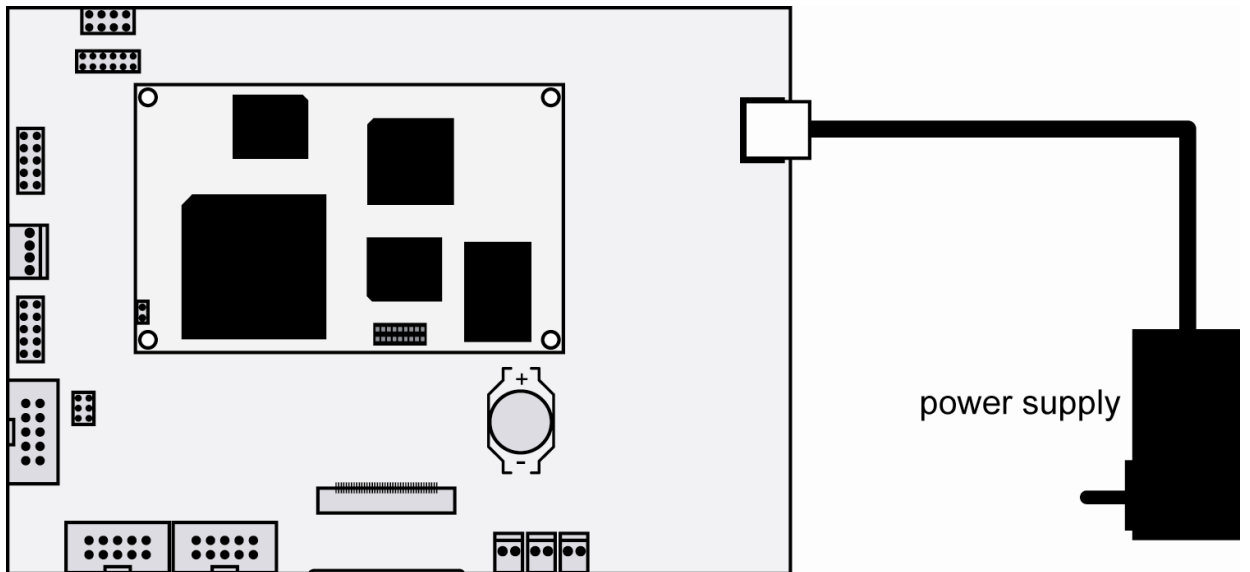
- **1. Step**: Setup a RS232-based serial link between the eSOM/2586 COM1 serial port and your development PC. Run a terminal emulation program (e.g. HyperTerminal or minicom) and configure this tool to 115.200 bps, 8 data bits, 1 stop bit, no parity bit and no handshake.

- **2. Step**: Setup an Ethernet-LAN link between the eSOM/2586 and your PC. The eSOM/2586 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.
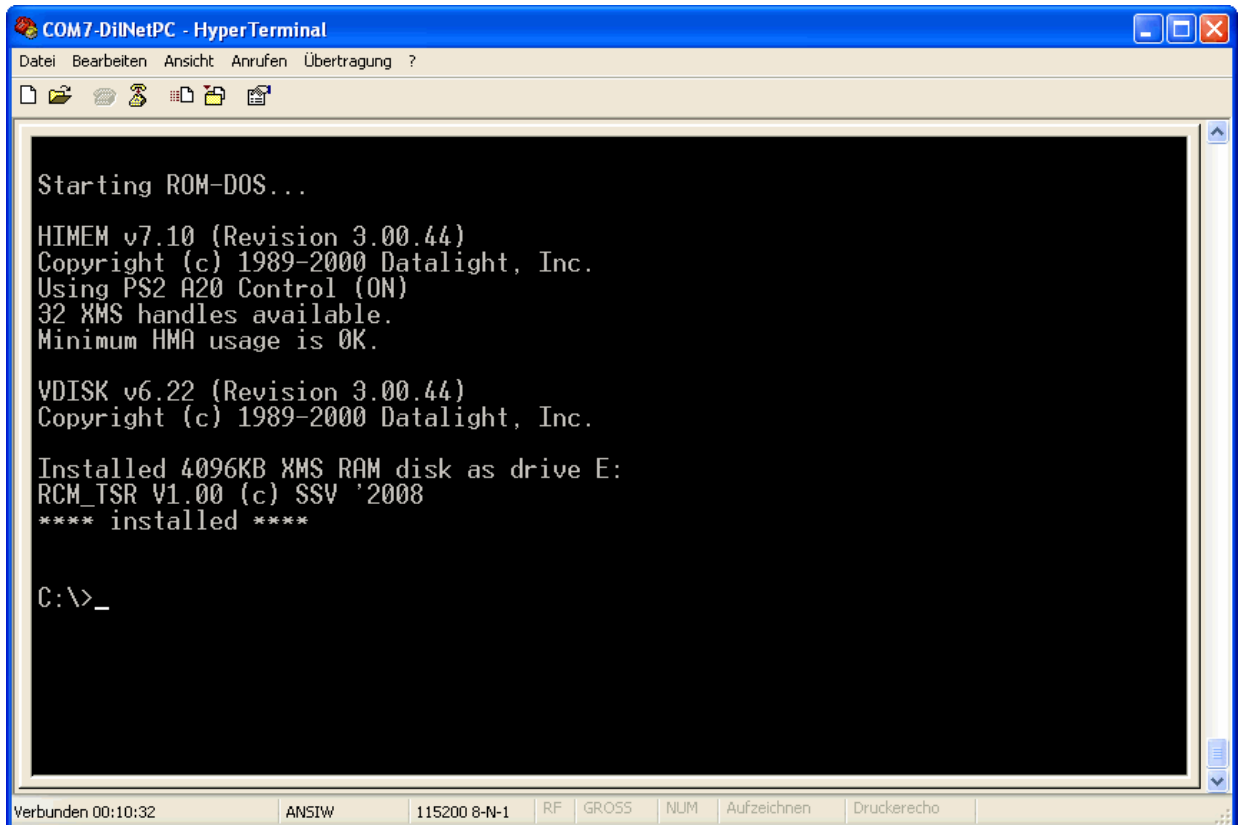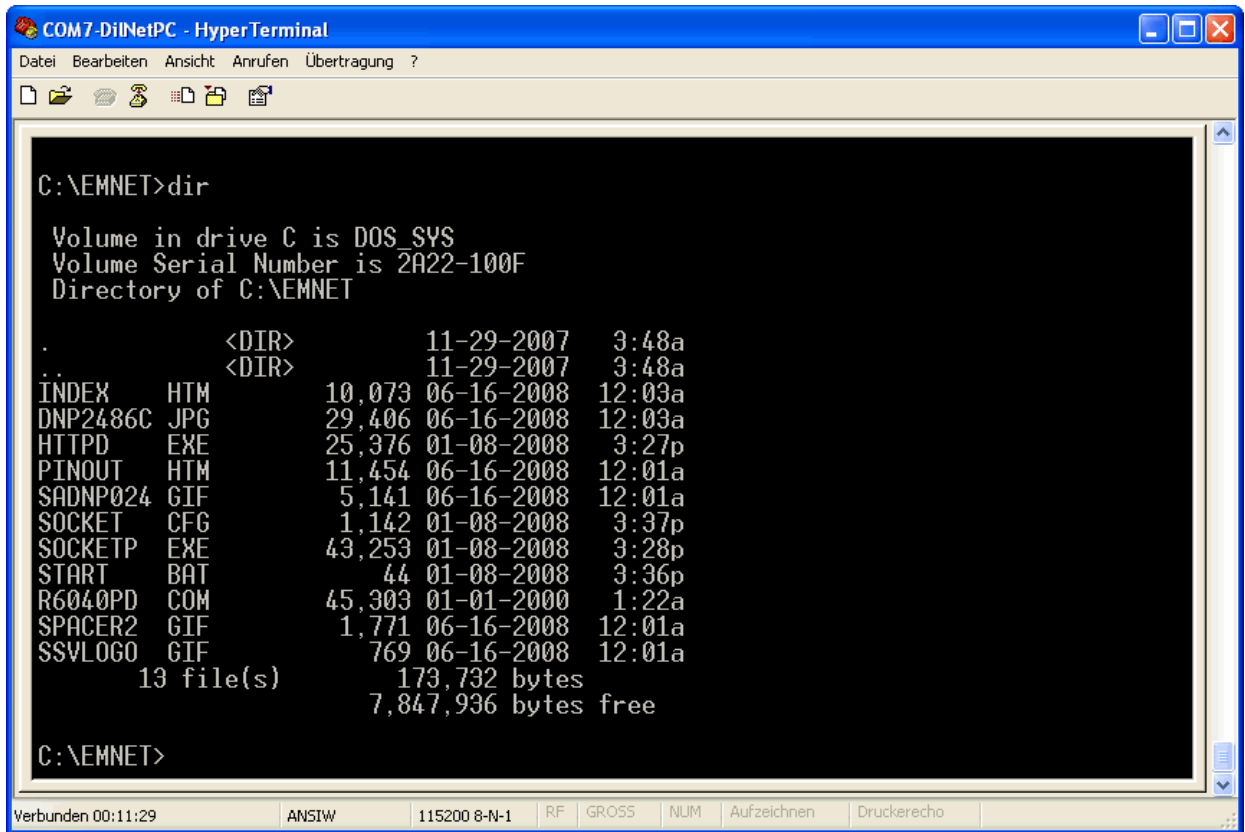
- **3. Step**: Connect a DC power supply to your eSOM/2586 board and power-up the embedded system-on-module eSOM/2586. Make sure that the RCM jumper is set on the eSOM/2586.
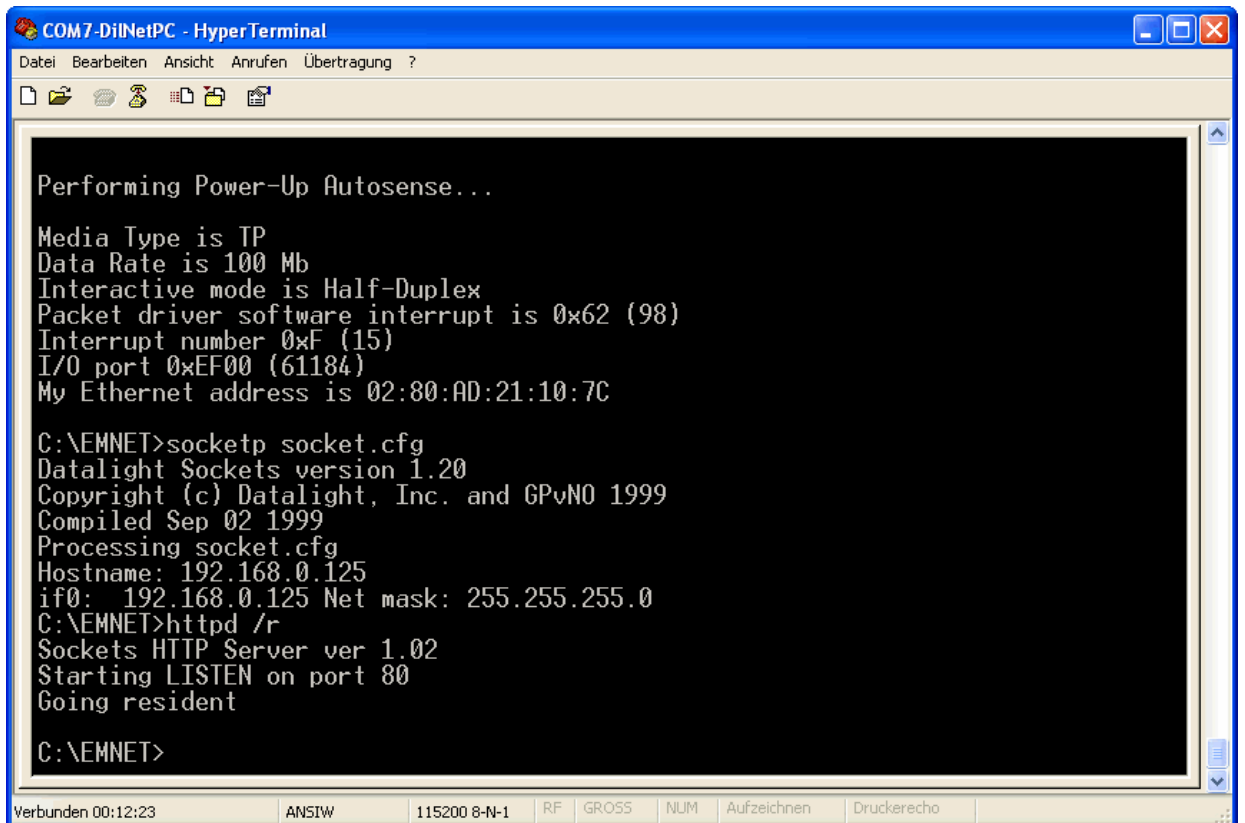

- **4. Step**: Direct after booting the eSOM/2586 offers a ROM-DOS command line form DOS drive **C:**. Please enter some DOS commands over your terminal emulation program. Here are some examples for DOS command lines:

```
dir
type autoexec.bat
```

- **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.

- **6. Step**: Please run a web browser on your PC and access the eSOM/2586 ROM-DOS home page with the URL:

http://192.168.0.125

Please note: The eSOM/2586 ROM-DOS configuration is identical to the DOS of the x86-based DIL/NetPC DNP/2486. The ROM-DOS home page was build for the DNP/2486.

Please note: The ROM-DOS configuration of the eSOM/2586 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.