

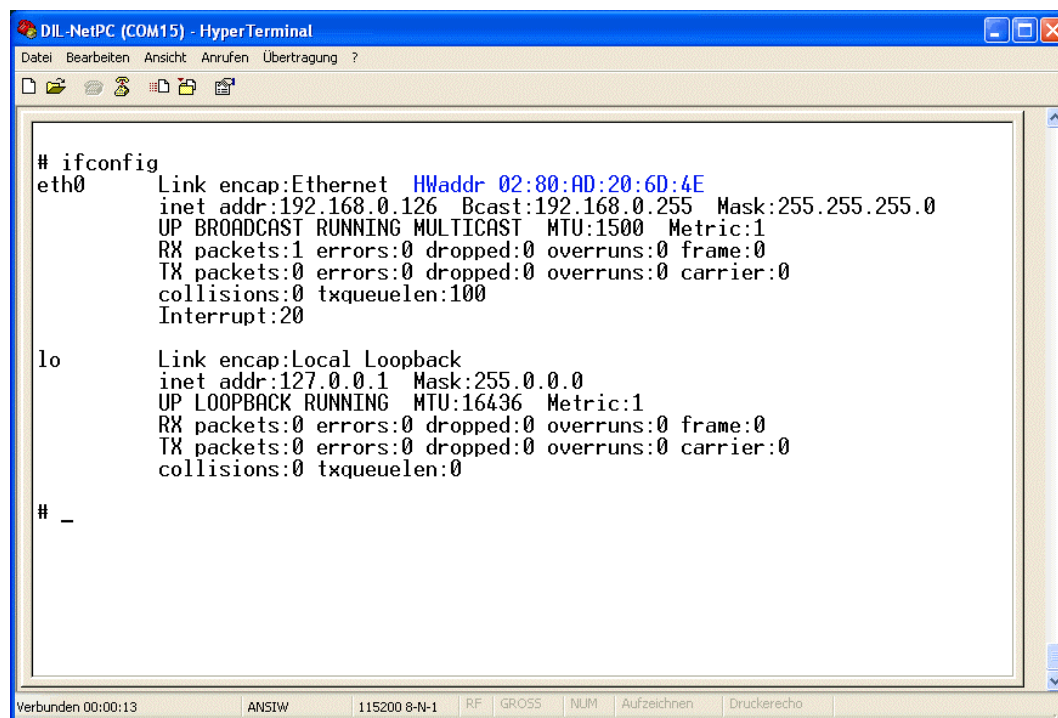
How to find the ADNP/ESC1 Ethernet MAC Address

For some network configuration tasks (i.e. Firewall setup procedures) it can be necessary to know the Ethernet MAC address of a specific network member.

- **1. Step:** Setup a serial link (**RS232 Serial Link**) between the DIL/NetPC ADNP/ESC1 COM1 serial port and a serial port of your PC system. Use a null-modem for the physical connection between the COM1 port of the DIL/NetPC ADNP/ESC1 and the PC COM port. For more details about this connection please use the DIL/NetPC ADNP/ESC1 Starter Kit documentation.
- **2. Step:** Run your terminal emulation program. Microsoft Windows-based PC systems offer *HyperTerminal* for this task. Linux-based systems come with *Minicom*. Then provide the ADNP/ESC1 with power and wait until the Linux boot process finish's. Enter the command

```
ifconfig
```

and the ADNP/ESC1 Linux operating system displays the network setup parameters. The value for **HWaddr** is the Ethernet MAC address of your DIL/NetPC ADNP/ESC1.



```
DIL-NetPC (COM15) - HyperTerminal
Datei Bearbeiten Ansicht Anrufen Übertragung ?
# ifconfig
eth0  Link encap:Ethernet HWaddr 02:80:AD:20:6D:4E
      inet addr:192.168.0.126 Bcast:192.168.0.255 Mask:255.255.255.0
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:1 errors:0 dropped:0 overruns:0 frame:0
      TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:100
      Interrupt:20

lo    Link encap:Local Loopback
      inet addr:127.0.0.1 Mask:255.0.0.0
      UP LOOPBACK RUNNING MTU:16436 Metric:1
      RX packets:0 errors:0 dropped:0 overruns:0 frame:0
      TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0

# _
Verbunden 00:00:13  ANSIW  115200 8-N-1  RF  GROSS  NUM  Aufzeichnen  Druckerecho
```

That is all.