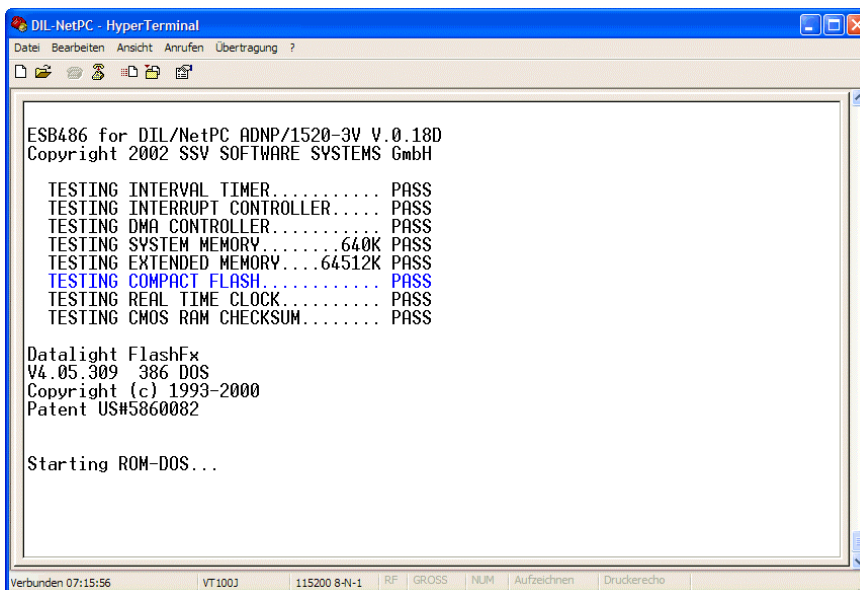


How to use CompactFlash Cards from Linux

The DIL/NetPC ADNP/1520 offers the interface signals for CompactFlash cards. The ADNP/1520 default BIOS don't support external CompactFlash cards. To enable the CompactFlash support for a Linux-based ADNP/1520, it is necessary to use the right BIOS file version to and a Linux with CompactFlash support (Driver, File Systems ...).

- 1. Step:** With the right BIOS file version the ADNP/1520 BIOS initializes the CompactFlash interface during the boot process (see BIOS message: **TESTING COMPACT FLASH ... PASS**). For change the ADNP/1520 BIOS to a version with CompactFlash support, please see: *mHT1520A-05.pdf: How to use CompactFlash Cards from ROM-DOS*.



```

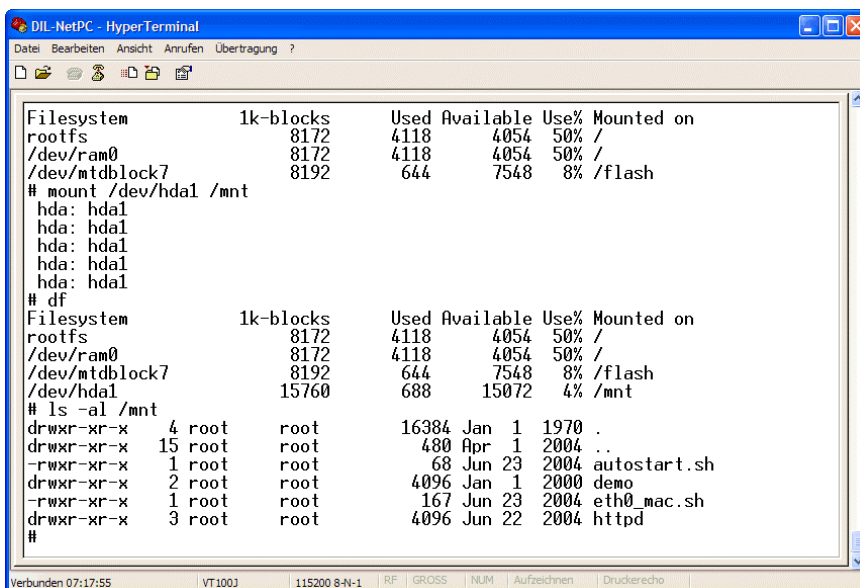
ESB486 for DIL/NetPC ADNP/1520-3V v.0.18D
Copyright 2002 SSV SOFTWARE SYSTEMS GmbH

  TESTING INTERVAL TIMER..... PASS
  TESTING INTERRUPT CONTROLLER.... PASS
  TESTING DMA CONTROLLER..... PASS
  TESTING SYSTEM MEMORY.....640K PASS
  TESTING EXTENDED MEMORY....64512K PASS
  TESTING COMPACT FLASH..... PASS
  TESTING REAL TIME CLOCK..... PASS
  TESTING CMOS RAM CHECKSUM..... PASS

Datalight FlashFx
V4.05.309 386 DOS
Copyright (c) 1993-2000
Patent US#5860082

Starting ROM-DOS...
  
```

- 2. Step:** Use a ADNP/1520 Linux with CompactFlash support (for example the **Embedded Gateway Linux** of the Application Board MB/1520-100).



```

Filesystem      1k-blocks    Used Available Use% Mounted on
rootfs          8172         4118    4054    50% /
/dev/ram0       8172         4118    4054    50% /
/dev/mtdblock7 8192         644     7548    8% /flash
# mount /dev/hda1 /mnt
hda: hda1
hda: hda1
hda: hda1
hda: hda1
hda: hda1
# df
Filesystem      1k-blocks    Used Available Use% Mounted on
rootfs          8172         4118    4054    50% /
/dev/ram0       8172         4118    4054    50% /
/dev/mtdblock7 8192         644     7548    8% /flash
/dev/hda1      15760         688    15072    4% /mnt
# ls -al /mnt
drwxr-xr-x  4 root   root   16384 Jan  1  1970 .
drwxr-xr-x 15 root   root    480 Apr  1  2004 ..
-rwxr-xr-x  1 root   root    68 Jun 23  2004 autostart.sh
drwxr-xr-x  2 root   root  4096 Jan  1  2000 demo
-rwxr-xr-x  1 root   root   167 Jun 23  2004 eth0_mac.sh
drwxr-xr-x  3 root   root  4096 Jun 22  2004 httpd
#
  
```

- **3. Step:** Please mount a CompactFlash card to your Linux file system. The following Linux commands:

```
mount /dev/hda1 /mnt
df
ls -al /mnt
```

shows a example for the Embedded Gateway Linux.

That is all.