

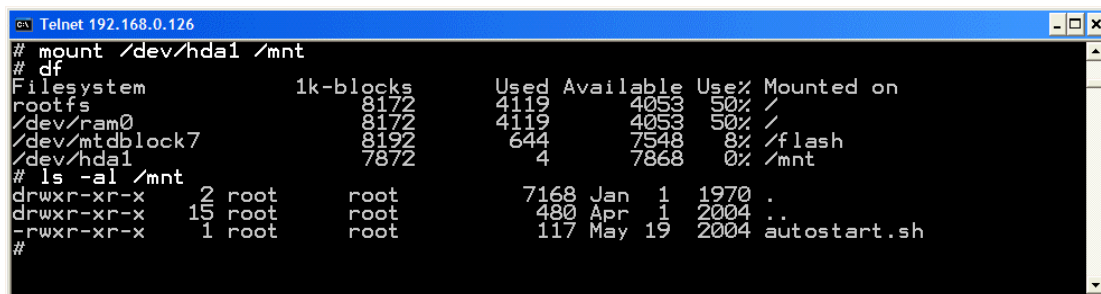
How to mount the Compact Flash Card to the MB/1520-100 Root File System

The DIL/NetPC ADNP/1520 default embedded Linux configuration – called “Embedded Gateway Linux” – of your Application Board MB/1520-100 offers a preinstalled device driver for Compact Flash cards. This driver is IDE (Linux “had” devices) compatible.

- **1. Step:** If a formatted Compact Flash card is installed in the MB/1520-100 Compact Flash socket, it is possible to mount this card to the Linux root file system. Please enter the following Linux commands:

```
mount /dev/hda1 /mnt
df
```

If the Embedded Gateway Linux can't find a Compact Flash card or if this card do not offer the right file system, an error message is coming up after the first command line.



```
Telnet 192.168.0.126
# mount /dev/hda1 /mnt
# df
Filesystem            1k-blocks    Used Available  Use% Mounted on
rootfs                 8172        4119    4053      50% /
/dev/ram0              8172        4119    4053      50% /
/dev/mtdblock7        8192         644     7548       8% /flash
/dev/hda1             7872          4     7868       0% /mnt
# ls -al /mnt
drwxr-xr-x    2 root    root          7168 Jan  1  1970 .
drwxr-xr-x   15 root    root          4800 Apr  1  2004 ..
-rwxr-xr-x    1 root    root          117 May 19  2004 autostart.sh
#
```

If the first mount command is executed successfully, the whole content of the Compact Flash card is accessible over the mounting directory **/mnt**.

Please note: If you add the mount command to the **autostart.sh** file, the MB/1520-100 Embedded Gateway Linux mounts the Compact Flash card automatically within the boot phase. Please see the document **mHT1520B-04.pdf (How to use the MB/1520-100 Autostart Feature)** for more details about the Autostart feature. The following command sequence shows a sample how to create a **autostart.sh**:

```
cd /flash
cat > autostart.sh
#!/bin/sh
mount /dev/hda1 /mnt
CTRL-D (CTRL-D stops the Linux cat command)
chmod +x autostart.sh
```

That's all.