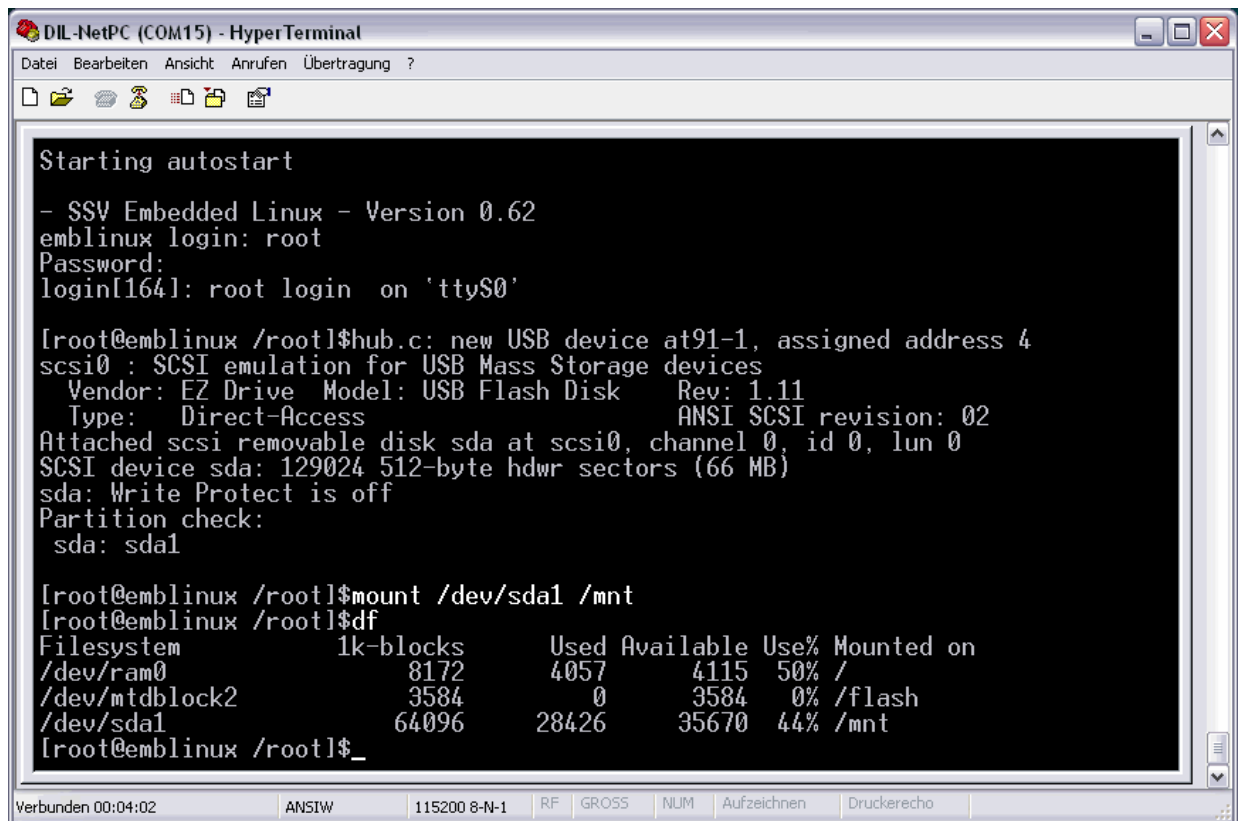


How to use an USB Memory Stick

The USB Host Controller of the DIL/NetPC DNP/9200 supports the usage of external USB devices. One popular device is an USB memory stick. This device allows the DNP/9200 to store logging data for the usage on Windows-PCs or similar applications.

The DNP/9200 Linux operating systems comes with preinstalled drivers for USB memory sticks and similar devices.

- **1. Step:** Setup a serial console session as a root user between the DNP/9200 and your PC. Insert an USB stick to the DNP/9200 USB host port. See *mHT9200-07.pdf: How to use the DNP/9200 Linux Serial Console*. For more details.
- **2. Step:** Insert an USB memory stick into the USB host connector. Watch the output within the terminal emulation program window. The DNP/9200 shows a USB device name (i.e. *sda1* or similar)



```

DIL-NetPC (COM15) - HyperTerminal
Datei Bearbeiten Ansicht Anrufen Übertragung ?
Starting autostart
- SSV Embedded Linux - Version 0.62
emblinux login: root
Password:
login[164]: root login on 'ttyS0'

[root@emblinux /root]#hub.c: new USB device at91-1, assigned address 4
scsi0 : SCSI emulation for USB Mass Storage devices
  Vendor: EZ Drive Model: USB Flash Disk Rev: 1.11
  Type:   Direct-Access ANSI SCSI revision: 02
Attached scsi removable disk sda at scsi0, channel 0, id 0, lun 0
SCSI device sda: 129024 512-byte hdwr sectors (66 MB)
sda: Write Protect is off
Partition check:
sda: sda1

[root@emblinux /root]#mount /dev/sda1 /mnt
[root@emblinux /root]#df
Filesystem          1k-blocks      Used Available Use% Mounted on
/dev/ram0            8172          4057      4115   50% /
/dev/mtdblock2      3584           0       3584    0% /flash
/dev/sda1           64096        28426    35670   44% /mnt
[root@emblinux /root]$_

Verbunden 00:04:02  ANSIW  115200 8-N-1  RF  GROSS  NUM  Aufzeichnen  Druckerecho

```

- **3. Step:** Execute the Linux *mount* command for the USB memory stick. A sample for the USB device *sda1* is:

```
mount /dev/sda1 /mnt
```

- **4. Step:** After the *mount* command execution the USB memory stick directories and files are accessible over the DP/9200 directory */mnt*.

```

-rwxr-xr-x 1 root root 4889600 Sep 29 2005 apache_2.0.54-win32-x86i
-rwxr-xr-x 1 root root 5164 Jan 8 2006 bootex.log
-rwxr-xr-x 1 root root 4896809 Nov 4 2005 fwbuilder-en-209-1.exe
-rwxr-xr-x 1 root root 60928 Oct 17 2005 igw400-WIB1-1.doc
-rwxr-xr-x 1 root root 16088 Oct 1 2005 igw400-ap1.tif
-rwxr-xr-x 1 root root 34332 Oct 1 2005 igw400-ap2.tif
-rwxr-xr-x 1 root root 79320 Oct 1 2005 igw400-ap3.tif
-rwxr-xr-x 1 root root 35322 Oct 1 2005 igw400-ap4.tif
-rwxr-xr-x 1 root root 40344 Oct 1 2005 igw400-ap5.tif
drwxr-xr-x 2 root root 2048 Dec 16 2005 img-9200
drwxr-xr-x 6 root root 2048 Oct 28 2005 kdw
-rwxr-xr-x 1 root root 425887 Dec 1 2005 libpcap-0.9.4.tar.gz
-rwxr-xr-x 1 root root 1576 Dec 1 2005 pcap1.cpp
-rwxr-xr-x 1 root root 5168 Jan 1 2005 spi_adc_ch0
-rwxr-xr-x 1 root root 5312 Jan 1 2005 spi_adc_ch0_7
-rwxr-xr-x 1 root root 3664 Jan 7 2006 tcpdsrc.c
drwxr-xr-x 2 root root 2048 Dec 20 2005 temp
[root@emblinux /mnt]$cd /mnt/temp
[root@emblinux temp]$ls -al
drwxr-xr-x 2 root root 2048 Dec 20 2005 .
drwxr-xr-x 6 root root 17920 Jan 1 00:00 ..
-rwxr-xr-x 1 root root 236319 Oct 26 2005 M2M_WLAN1.pdf
-rwxr-xr-x 1 root root 4715 Dec 20 2005 index.html
[root@emblinux temp]$

```

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Please un-mount the USB memory stick with the Linux *umount* command before removing the stick from the USB connector. The syntax for this sample is:

```
umount /mnt
```

That is all.