

## How to access a CSV data logging file with Microsoft Excel

The following steps describe how to use the DIL/NetPC DNP/5370 as a simple data logger for CSV-based data files and how to access the logging data file direct with Microsoft Excel. These steps assume that your Windows-based PC offers a Microsoft Excel.

• **1. Step**: Please add the following lines of code to the end of the **/flash/autostart.sh** file. Then reboot your DNP/5370.

```
echo "Datum;Zeit;Event-ID;" > /media/mmc/event-log.csv
while true ; do
    DATE=`date +"%d.%m.%Y;%H:%M:%S"`
    echo "$DATE;EV_TEMP_1;" >> /media/mmc/event-log.csv
    sleep 60
done
```

This script code creates a CSV file **/media/mmc/event-log.csv** after each reboot on the MMC or SD card within the DNP/5370 SD/MCC slot and updates each minute this file with a dummy CSV-based item.

🛋 Telnet 192.168.0.126 - 🗆 🗙 DNP5370 login: root assword: DNP/5370 board \_\_\_\_\_ usyBox v1.00 (2007.11.23-12:22+0000) Built-in shell (msh) Inter 'help' for a list of built-in commands. 'flașh autostart.sh mmc1 /media ash DN ddemo 100Mbps LAN" emo ma /media /mmc do ΖM: ΖS' edia/mmc/event-log.csv oot:/flash> \_

- 2. Step: Run the DIL/NetPC DNP/5370 for some minutes and check the content of the CSV file.
- **3. Step**: Install and run the tool **FTP Explorer** from the DNP/5370 starter kit CD-ROM on your Windows PC and setup a FTP session to the DNP/5370 directory **/media/mmc**. Please use the user name **root** and the password **root** for this session.

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File Edit View Tools Window Help													
All Folders	Contents of '/media/mmc/'												
🖃 💼 /	Name	Des	Size Type		Date	Permissions	Owner						
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PORT 192,168,0,1,15,9 200 PORT command sucessful. RETR /media/mmc/event-log.csv 150 Opening BINARY mode data connection for '/media/mmc/event-log.csv' (455 bytes). 226 Transfer complete.													
For Help, press F1					Awaiting Command		11.						

• **4. Step**: Right-click the file name **/media/mmc/event-log.csv** and select **Open** from the context menu. This starts Microsoft Excel and shows the current content of the logging file.

Microsoft Excel - event-log											
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	A	В	С	D	E	F	G	H			
1	Datum	Zeit	Event-ID								
2	26.03.2037	03:06:00	EV_TEMP_1								
3	15.07.2008	11:27:37	EV_TEMP_1								
4	15.07.2008	11:28:37	EV_TEMP_1								
5	15.07.2008	11:29:37	EV_TEMP_1								
6	15.07.2008	11:30:37	EV_TEMP_1								
4	15.07.2008	11:31:37	EV_IEMP_1								
8	15.07.2008	11:32:38	EV_IEMP_1								
9	15.07.2008	11:33:38	EV_TEMP_1								
10	15.07.2008	11:34:38	EV_TEMP_1								
11	15.07.2000	11:30:30	EV_TEMP_1								
12	15.07.2000	11.30.30	EV_TEMP_1								
14	15.07.2000	11.37.30	EV TEMP 1								
15	15.07.2008	11:39:38	EV TEMP 1								
16	15.07.2008	11:40:38	EV TEMP 1								
17	15.07.2008	11:41:38	EV TEMP 1								
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That is all.