

(A)DNP/1486 Flash BIOS Update

The DIL/NetPC DNP/1486 and ADNP/1486 offers a in-system Flash BIOS update feature. This feature is also a replacement for the BIOS setup menu of standard PCs.

The DIL/NetPC starter kit CD-ROM contains different BIOS configuration files. Table 1 and Table 2 offers a overview. All BIOS files contains a BIOS binary image and a Flash BIOS programmer software within the same single file.

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DIL-NetPC - HyperTerminal
Datei Bearbeiten Ansicht Anruf Übertragung ?
Wait for Files. End with CTRL-C!
User break

Program exit.

D:\>dir

Volume in drive D is DL RAM DISK
Directory of D:\

ADNP030C EXE      107,633 01-01-80  12:09a
                  1 file(s)      107,633 bytes
                  4,075,520 bytes free

D:\>adnp030c

***  FLASH-Utility V2.10  ***
*** (c) Software Systems GmbH ***
HW: ADNP1486 , 128 blocks

p ... ADNP/1486-3V V.0.30B
q ... Quit

Your choice :

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Figure 1: Running the DIL/NetPC in-system Flash BIOS software

For running the DIL/NetPC in-system Flash BIOS software, it is necessary to booting the DIL/NetPC DNP1486 or ADNP/1486 with ROM-DOS. There is no way for using the Flash BIOS update software with Linux or any other embedded operating systems.

After the ROM-DOS boot, please transfer the DOS file with the BIOS of your choice to the DIL/NetPC DNP1486 or ADNP/1486 DOS drive *D:* (this is the DIL/NetPC RAM disk within ROM-DOS). Each self-running file contains the new BIOS and the Flash BIOS programmer software. Then run the DOS exe file on your DIL/NetPC. That's all.

The Flash BIOS programmer software ask you for *p* or *q* (see Figure 1 for details). With the *p* key, you start the programming process, *q* terminates the programmer without programming the new BIOS.

The DIL/NetPC in-system Flash BIOS software starts Flash programming

after pressing the *p* key. Programming needs only some seconds. Make sure, that the power is stable for this time. After the next boot, the new BIOS is coming up.

File	COM1	COM2	COM3	Boottime	SSD-Support	CF-Support	Bootsequence
ADNP030A.EXE	Yes	No	No	Normal	Yes	No	1. SSD
ADNP030B.EXE	Yes	Yes	No	Normal	Yes	No	1. SSD
ADNP030C.EXE	Yes	Yes	Yes	Normal	Yes	No	1. SSD
ADNP030D.EXE	Yes	No	No	Normal	Yes	Yes	1. SSD / 2. CF
ADNP030E.EXE	Yes	Yes	No	Normal	Yes	Yes	1. SSD / 2. CF
ADNP030F.EXE	Yes	Yes	Yes	Normal	Yes	Yes	1. SSD / 2. CF
ADNP030G.EXE	Yes	No	No	Normal	Yes	Yes	1. CF / 2. SSD
ADNP030H.EXE	Yes	Yes	No	Normal	Yes	Yes	1. CF / 2. SSD
ADNP030I.EXE	Yes	Yes	Yes	Normal	Yes	Yes	1. CF / 2. SSD
ADNP030J.EXE	Yes	No	No	Fast	Yes	No	1. SSD
ADNP030K.EXE	Yes	Yes	No	Fast	Yes	No	1. SSD
ADNP030L.EXE	Yes	Yes	Yes	Fast	Yes	No	1. SSD
ADNP030M.EXE	Yes	No	No	Fast	Yes	Yes	1. SSD / 2. CF
ADNP030N.EXE	Yes	Yes	No	Fast	Yes	Yes	1. SSD / 2. CF
ADNP030O.EXE	Yes	Yes	Yes	Fast	Yes	Yes	1. SSD / 2. CF
ADNP030P.EXE	Yes	No	No	Fast	Yes	Yes	1. CF / 2. SSD
ADNP030Q.EXE	Yes	Yes	No	Fast	Yes	Yes	1. CF / 2. SSD
ADNP030R.EXE	Yes	Yes	Yes	Fast	Yes	Yes	1. CF / 2. SSD

Table 1: BIOS Configuration Files for the DIL/NetPC ADNP/1486 (BIOS-Version 0.30)

Datei	COM1	COM2	COM3	Bootzeit	SSD-Support
DNP030A.EXE	Yes	No	No	Normal	Yes
DNP030B.EXE	Yes	Yes	No	Normal	Yes
DNP030C.EXE	Yes	Yes	Yes	Normal	Yes
DNP030D.EXE	Yes	No	No	Fast	Yes
DNP030E.EXE	Yes	Yes	No	Fast	Yes
DNP030F.EXE	Yes	Yes	Yes	Fast	Yes

Table 2: BIOS Configuration Files for the DIL/NetPC DNP/1486 (BIOS-Version 0.30)

Serial Port	Baseaddress within 80x86-I/O-Adressraum	Interrupt
COM1	0x3f8	IRQ4
COM2	0x2f8	IRQ3
COM3	0x3e8	IRQ10 for DNP/1486, IRQ12 for DNP/1486

Tabelle 3: DIL/NetPC Flash BIOS Serial Parameter

Figures

Figure 1: Running the DIL/NetPC in-system Flash BIOS software

Tables

Table 1: BIOS Configuration Files for the DIL/NetPC ADNP/1486

Table 2: BIOS Configuration Files for the DIL/NetPC DNP/1486

Table 3: DIL/NetPC Flash BIOS Serial Parameter

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Notes to this document (dnp-flash-update.doc)

Revision	Date		Name
1.00	09.11.2001	First version (not certified).	KDW

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